GEOGRAPHIC INFORMATION SYSTEMS
PLOTTING THE FUTURE
ONE DATA POINT AT A TIME
Driving through the Central Valley and the foothill region, you can’t help but wonder about the origin of the towns listed on the road signs.

How did Hilmar get its name? Did the goddess of agriculture really give her name to Ceres? Is Empire really as large as it sounds? Is this the Lodi Creedence Clearwater Revival was stuck in? Did Twain and Harte actually live in Twain Harte? But beyond the names of those towns in our greater San Joaquin Valley and foothills are wonderful stories of the people who founded them and who transformed them over time shovel by shovel, harvest by harvest, business by business.

The students of CSU Stanislaus represent states and countries other than our own, but the vast majority hail from the more than 200 towns and cities of the six-county area we serve. Within that geographical framework is our greatest calling as a University — to be the place that holds the dreams of the region, a place where our students represent families’ hopes, the campus whose graduates truly make a difference in a region that seriously needs people with a college degree.

Our success in our region will not be known widely if we do not actively tell others about it. With that in mind, I asked our 2,517 May graduates to join with the more than 50,000 Stanislaus alumni in supporting their University simply by talking about it.

If you’re looking for inspiring stories to share about your University, you’ll find them within these pages of STAN Magazine. We want all our graduates to tell their friends and neighbors about the great experiences they had as Warriors — what they learned, how they grew, what doors swung open because they accepted the challenge and earned their degree.

So let us not be shy about the difference we are making. It is okay to boast when our pride is well-founded in light of what the University is accomplishing regionally, statewide, and even nationally. Ours is a serious University. Our graduates matter, and if you look at a cross section of our civic and business leaders, you’ll see that a significant portion are Stanislaus grads. Our professional workforce is highly populated with our alumni.

So the next time you drive through the valley and foothills down the highway, take a moment to think about those towns and cities listed on the signs. The names may be different, but each one of those communities is home to people who have shared — and continue to share — the CSU Stanislaus experience.

I invite you to #speakproudly.

Joseph F. Sheley
President
STAN Magazine is published by the Office of Communications and Public Affairs in the Division of University Advancement at California State University, Stanislaus.

President
Joseph F. Sheley

Vice President for University Advancement
Shirley Pok

Associate Vice President
University Development
Michele Lahti

Associate Vice President
Communications and Public Affairs
Tim Lynch

Director, Communications and Creative Services
Janice Curtin

Senior Writer and Content Specialist
Brian VanderBeek

Senior Communications and Public Affairs Specialist
Kristina Stamper

Graphic Designers
Steve Caballero
Sally Gerbo

Senior Web and Electronic Communications Developer
Mandeep Khaira

Photographers
Marty Bicek, William Harris, Justin Souza

Stay in touch!
Phone: 209.667.3131
Fax: 209.664.3026
csustan.edu

If you receive more than one copy of STAN Magazine, please pass it along to a friend of California State University, Stanislaus. If you would like to support CSU Stanislaus, visit csustan.edu/giving to make your contribution.

CSU Stanislaus serves a diverse student body of more than 9,000 at two locations in the Central Valley — a beautiful 228-acre campus in Turlock and the Stockton Center, located in the city’s historic Magnolia District. Widely recognized for dedicated faculty, high-quality academic programs and exceptional value, the University offers more than 100 majors, minors and areas of concentration, along with 24 master’s degree programs and a doctorate in educational leadership.

CSU Stanislaus is a proud member of the California State University, a 23-campus system across California. With more than 445,000 students, it is the largest, the most diverse, and one of the most affordable university systems in the country. The CSU is indispensable to California’s economic prosperity and diverse communities, and is renowned for the quality of its teaching and for its job-ready graduates. calstate.edu

FALL 2015 3
Warrior Watch, a bystander intervention program developed by the CSU Stanislaus Safe Campus Committee, celebrated its first anniversary in June. Its goal is to provide students with the tools to identify and prevent behaviors that can lead to alcohol-related deaths, discrimination, harassment and sexual violence. Prospective members must pass courses in each of those areas.

In its pilot year, the program included 86 students and was mandatory training for resident assistants in the Residential Life Village and for new student orientation leaders and peer health educators.

The success of the program, according to campus compliance officer Julie Johnson, has been measured so far in surveys that indicate strong growth in the participants’ awareness and ability to react to potentially dangerous situations. She said she hopes future successes will include the program growing to include more students.

The Sustainable Garden at CSU Stanislaus, while striving to be as organic as possible, pushes the definition to include the human element. It’s a garden that sustains the nutritional needs of many people through distribution of its produce.

According to garden specialist Martin Hildebrandt, the parcel is structured to present crops that meet current commercial standards, and to keep the garden moving in a way that assures there always will be crops at various stages of growth, hosting a variety of pests and predators.

“Within this concept is the use of sustainable farming practices, such as crop rotation, transplanting, cover crops, compost, low-impact pest control and minimal use of synthetic fertilizers,” Hildebrandt said.

At the base of the project is the need to educate students in the agricultural studies program in alternative, hands-on methods. But the garden has succeeded beyond that. A course in agricultural markets and pricing created an on-campus market that allowed students to follow the produce from plotting, planting and harvesting, to marketing and selling. The ag studies program is in the process of creating a regular on-campus farmers’ market.

The campus dining services company Chartwells also is utilizing the produce, and thousands of pounds each year are donated to charities such as the United Samaritans.
CSU Stanislaus’ sixth annual production of Shakespeare Under the Stars featured the Bard’s mystifying tragedy King Lear. The performance dazzled nearly 4,000 attendees April 28-May 3 in the University Amphitheater.

Designed to bring a great theatre experience to the community, this year’s effort transformed the amphitheater into a modern-day Stonehenge, creating a brooding ambiance. It was a fitting backdrop for the action of King Lear, with an atmosphere familiar to fans of the series “Game of Thrones.”

Directed by Patricia O’Donnell with award-winning theatre professor Jere O’Donnell in the title role, the cast included professionals, local actors, faculty, alumni and students.

In a letter to the Modesto Bee, Modesto actress Krista Joy Serpa described the performance as “…flawlessly cast, deftly and breathtakingly executed, stunning to look at…”

This year, Prime Shine Car Wash partnered with the Department of Theatre to bring Shakespeare to life.

A strong advocate for the arts, Prime Shine believes that expression through music, theatre and the visual arts encourages creativity and makes for a more educated and vibrant community, said Evan Porges, president of Prime Shine.

“Shakespeare Under the Stars is a University event that is on the community’s campus, which makes it a community event,” Porges said. “It was wonderful to see students and community members of all ages enjoying live theatre under the stars in the amphitheater setting — truly the definition of an enjoyable learning experience for all.”
CSU Stanislaus, Modesto Junior College and the Stanislaus County Office of Education have joined forces for an unprecedented effort to bring college degrees within the reach of a greater number of young students.

The plan is to reach grade-school students and their families to make them aware of college opportunities, and to better prepare them for the journey that leads to stepping on a college campus, many for the first time.

The joint effort, called the Stanislaus Education Partnership, was announced during a press conference June 18 at the main branch of the Stanislaus County Library in Modesto.

On hand to launch the effort were CSU Stanislaus President Joseph F. Sheley, Stanislaus County Superintendent Tom Changnon and MJC President Jill Stearns. Also present to announce their support for the program were Marian Kaanen from the Stanislaus Community Foundation and David White with the Stanislaus Business Alliance.

Following a five-year absence, the Fourth of July celebration returned to CSU Stanislaus this year, bringing thousands of patriotic revelers back on campus.

The civic celebration, capped by a spectacular fireworks show, was held on campus for 24 years before a lack of funding forced its cancellation in 2009. The event moved to the Stanislaus County Fairgrounds in 2011 before the Chamber of Commerce and the City of Turlock joined forces to move the venue back to CSU Stanislaus this year.
One of the major drivers of a healthy economy is an educated workforce, which is why CSU Stanislaus President Joseph F. Sheley, joined by campus representatives and community leaders, visited legislators in Sacramento several times this year to make the case that an investment in the CSU is an investment in California’s future.

The advocacy days (part of an overall CSU effort) appear to have paid off in the Legislature: The Assembly and Senate voted June 15 to increase funding to the CSU by about $97 million, which translates to thousands more students being admitted statewide. The increased funding will bolster student success and completion initiatives (including hiring more academic advisors and tenure-track faculty), increase online course offerings, and scale up successful practices that improve student achievement and degree completion. The proposed funding also will enable the CSU to upgrade campus technology infrastructure and repair and modernize academic buildings.

In California, the governor has the final say on state budgets. Less than 24 hours after the legislative vote, Governor Jerry Brown made the announcement of a budget deal endorsing the additional funding for the CSU.

“The California State University applauds Governor Brown, President pro Tempore Kevin de León and Speaker Toni Atkins for standing with the CSU by agreeing to a budget that supports the university’s relentless focus on student success,” said CSU Chancellor Timothy P. White. “This investment in CSU’s students, faculty and staff serves the public good as a wise investment in the fabric and future of our state — which depends on a knowledge-based economy to provide social mobility for all Californians.”

To add your support for funding the CSU, use #StandwithCSU on social media.

This year’s recipient of the J. Burton Vasche Award, Michael Khoshaba, is widely considered the top human resources graduate in the country. As a Vasche Award winner, Khoshaba has distinguished himself as a student who has upheld the highest standards of leadership, service and scholarship during his undergraduate education.

A native of Iraq, Khoshaba came to the United States with his family at age 11. He excelled academically and graduated from Modesto’s Beyer High School with a full year of college credits.

“My passion to work in human resources is to ensure equal employment opportunities for all. I believe that all the challenges I have overcome and what I have learned at CSU Stanislaus has prepared me well to meet the rigors of this level of work,” according to Khoshaba.

Khoshaba was the winner of the 2014 Lyn Boone Memorial Scholarship from the HR Symposium, recognizing the top human resources student in California. He was also recognized as the CSU Stanislaus Management, Operations and Marketing 2014 Management Student of the Year. During his time at Stanislaus, Khoshaba maintained a 3.9 GPA while working nearly full-time, attending school full-time and serving as the President for the Society for Human Resource Management club in addition to volunteering for multiple professional and charitable organizations.

His work during a 2014 internship in Washington, D.C., has made him one of the most desired interns in the nation for 2015, and he has been offered four different national human resource internships from federal government agencies.

One of the major drivers of a healthy economy is an educated workforce, which is why CSU Stanislaus President Joseph F. Sheley, joined by campus representatives and community leaders, visited legislators in Sacramento several times this year to make the case that an investment in the CSU is an investment in California’s future.

The advocacy days (part of an overall CSU effort) appear to have paid off in the Legislature: The Assembly and Senate voted June 15 to increase funding to the CSU by about $97 million, which translates to thousands more students being admitted statewide. The increased funding will bolster student success and completion initiatives (including hiring more academic advisors and tenure-track faculty), increase online course offerings, and scale up successful practices that improve student achievement and degree completion. The proposed funding also will enable the CSU to upgrade campus technology infrastructure and repair and modernize academic buildings.

In California, the governor has the final say on state budgets. Less than 24 hours after the legislative vote, Governor Jerry Brown made the announcement of a budget deal endorsing the additional funding for the CSU.

“The California State University applauds Governor Brown, President pro Tempore Kevin de León and Speaker Toni Atkins for standing with the CSU by agreeing to a budget that supports the university’s relentless focus on student success,” said CSU Chancellor Timothy P. White. “This investment in CSU’s students, faculty and staff serves the public good as a wise investment in the fabric and future of our state — which depends on a knowledge-based economy to provide social mobility for all Californians.”

To add your support for funding the CSU, use #StandwithCSU on social media.

This year’s recipient of the J. Burton Vasche Award, Michael Khoshaba, is widely considered the top human resources graduate in the country. As a Vasche Award winner, Khoshaba has distinguished himself as a student who has upheld the highest standards of leadership, service and scholarship during his undergraduate education.

A native of Iraq, Khoshaba came to the United States with his family at age 11. He excelled academically and graduated from Modesto’s Beyer High School with a full year of college credits.

“My passion to work in human resources is to ensure equal employment opportunities for all. I believe that all the challenges I have overcome and what I have learned at CSU Stanislaus has prepared me well to meet the rigors of this level of work,” according to Khoshaba.

Khoshaba was the winner of the 2014 Lyn Boone Memorial Scholarship from the HR Symposium, recognizing the top human resources student in California. He was also recognized as the CSU Stanislaus Management, Operations and Marketing 2014 Management Student of the Year. During his time at Stanislaus, Khoshaba maintained a 3.9 GPA while working nearly full-time, attending school full-time and serving as the President for the Society for Human Resource Management club in addition to volunteering for multiple professional and charitable organizations.

His work during a 2014 internship in Washington, D.C., has made him one of the most desired interns in the nation for 2015, and he has been offered four different national human resource internships from federal government agencies.
Alumni host “Dinners for 12 Warriors” to share their experiences with the next generation of leaders

By Kristina Stamper

Having been a CSU Stanislaus student not too long ago, Paul Campbell knows how much undergrads appreciate a good, home-cooked meal. But when a group of 12 students, faculty and campus leaders sat down together at Campbell’s home last fall, it was the talk around the table that provided the greatest nourishment. Hosted by an alumnus or alumna, each Dinners for 12 Warriors is an intimate gathering designed to share their experiences with the next generation of leaders.
Juarez, who graduated this past spring, is working as a Financial Management Scholar at the Federal Deposit Insurance Corp. in Kansas City. He encourages other students to seek knowledge from similar networking opportunities, and to seize the chance to learn from the expertise of alumni.

“Being passionate about your field will bring you success if you are intellectually curious,” Juarez said. “The Dinners for 12 Warriors events provide a great opportunity to explore a specific career field in depth, and to ask questions of alumni who are highly experienced. The mentorship of alumni can guide young, bright students to success.”

“The Dinners for 12 Warriors events provide a great opportunity to explore a specific career field in depth, and to ask questions of alumni who are highly experienced.”

- Walter Juarez, business administration alumnus

Giving back to students by investing time and sharing knowledge is one way alumni can strengthen their connection with their alma mater, Campbell said. And alumni also are talking about their pride in the education they gained at CSU Stanislaus.

“We have a great University and we continue to graduate well-prepared men and women who are making a difference in our region, state and country,” Campbell said. “Graduating from CSU Stanislaus opened doors of opportunity for me and continues to do so for the thousands of students who have followed.”

GET INVOLVED

Advocacy
Share your alumni pride with your peers, contact your elected officials on educational matters in support of your alma mater, and utilize social media to promote the CSU system’s mission. #StandwithCSU

Career Connection Panel
Return to campus to share your area of expertise and engage with students about your career experiences, answer questions, and provide networking opportunities.

Commencement
Celebrate and share in the excitement of commencement with the next cohort of alumni by presenting graduates with the University lapel pin as they line up for the processional. #stangrad

Dinners for 12 Warriors
Host a dinner and share your Warrior experience with current students, faculty and campus leadership over good conversation. As the alumni host, you pick the theme, location, date and time of the dinner.

University Events
Assist with registration and greeting at events on and off campus throughout the year. Or, help us promote events on social media. #stanalumni

If you are an alumnus or alumna interested in volunteering, please contact Lisa McMullen in the Office of Alumni Relations at alumni@csustan.edu

csustan.edu/alumni/volunteer-opportunities
One of every 20 Americans with a college degree is a graduate of the California State University (CSU) system. It is the largest, the most diverse, and one of the most affordable university systems in the country, and with the Class of 2015, the CSU will have more than 3 million living alumni worldwide.

To mark this achievement, the CSU launched the Class of 3 Million celebration and online yearbook where CSU alumni shared their pride for their alma mater. The yearbook also demonstrated the tremendous impact CSU graduates have on California, the nation and the world.

Throughout the campaign, alumni were encouraged not only to show their pride by joining the online yearbook, but also by getting involved, volunteering or advocating for their alma mater. On social media, alumni shared stories of thanks and memories of how faculty and staff helped them to achieve their goals. Alumni also joined in the festivities of commencement by updating their profile photos with campus gear and throwbacks to their own graduation ceremonies.

Warrior pride was prominently displayed on the Class of 3 Million yearbook, with CSU Stanislaus alumni posting more than 600 profiles — resulting in the third most alumni profiles out of the 23 campuses. That statement of pride is being reflected in conversations alumni are having with their friends, family and colleagues. They are proud of the education they received at CSU Stanislaus and of the impact that CSU Stanislaus graduates are making.

De Silva is only one example of the alumni who are ambassadors for CSU Stanislaus, proudly talking about their experiences and successes, and utilizing their education to invest in the next generation of students.

Jessica De Silva, ’13, was among the alumni who signed the online yearbook. She earned her bachelor’s degree in mathematics at CSU Stanislaus and is now pursuing a Ph.D. at the University of Nebraska-Lincoln. When she heard about the yearbook in an email from the Alumni Association, she was excited to share where her degree is taking her.

“I was motivated to sign up for the Class of 3 Million because I take strong pride in the CSU system and had an amazing undergraduate career at CSU Stanislaus,” she said. “I am very proud to be an alumna of CSU Stanislaus; it gave me all the opportunities I needed to achieve the goals I set for myself. I knew I wanted to continue studying mathematics, and a Ph.D. will allow me to contribute back to my field through research.”

“TALKING ABOUT PRIDE

CSU Stanislaus alumni join the Class of 3 Million online yearbook

By Kristina Stamper

Jessica De Silva
CSU Stanislaus ’13
BA, Mathematics
Ph.D. Student
in Mathematics
University of Nebraska-Lincoln

“I was motivated to sign up for the Class of 3 Million because I take strong pride in the CSU system and had an amazing undergraduate career at CSU Stanislaus.”

— Jessica De Silva, ’13, Bachelor of Science in Mathematics

“My future career goal is to become a professor at a Hispanic-serving institution like CSU Stanislaus,” she said. “I have a passion for teaching and outreach and would like to help students realize their academic potential through mentoring.”

Jessica De Silva, ’13, was among the alumni who signed the online yearbook. She earned her bachelor’s degree in mathematics at CSU Stanislaus and is now pursuing a Ph.D. at the University of Nebraska-Lincoln. When she heard about the yearbook in an email from the Alumni Association, she was excited to share where her degree is taking her.

“I was motivated to sign up for the Class of 3 Million because I take strong pride in the CSU system and had an amazing undergraduate career at CSU Stanislaus,” she said. “I am very proud to be an alumna of CSU Stanislaus; it gave me all the opportunities I needed to achieve the goals I set for myself. I knew I wanted to continue studying mathematics, and a Ph.D. will allow me to contribute back to my field through research.”

De Silva is only one example of the alumni who are ambassadors for CSU Stanislaus, proudly talking about their experiences and successes, and utilizing their education to invest in the next generation of students.

Jessica De Silva, ’13, was among the alumni who signed the online yearbook. She earned her bachelor’s degree in mathematics at CSU Stanislaus and is now pursuing a Ph.D. at the University of Nebraska-Lincoln. When she heard about the yearbook in an email from the Alumni Association, she was excited to share where her degree is taking her.

“I was motivated to sign up for the Class of 3 Million because I take strong pride in the CSU system and had an amazing undergraduate career at CSU Stanislaus,” she said. “I am very proud to be an alumna of CSU Stanislaus; it gave me all the opportunities I needed to achieve the goals I set for myself. I knew I wanted to continue studying mathematics, and a Ph.D. will allow me to contribute back to my field through research.”

De Silva is only one example of the alumni who are ambassadors for CSU Stanislaus, proudly talking about their experiences and successes, and utilizing their education to invest in the next generation of students.

Jessica De Silva, ’13, was among the alumni who signed the online yearbook. She earned her bachelor’s degree in mathematics at CSU Stanislaus and is now pursuing a Ph.D. at the University of Nebraska-Lincoln. When she heard about the yearbook in an email from the Alumni Association, she was excited to share where her degree is taking her.

“I was motivated to sign up for the Class of 3 Million because I take strong pride in the CSU system and had an amazing undergraduate career at CSU Stanislaus,” she said. “I am very proud to be an alumna of CSU Stanislaus; it gave me all the opportunities I needed to achieve the goals I set for myself. I knew I wanted to continue studying mathematics, and a Ph.D. will allow me to contribute back to my field through research.”

De Silva is only one example of the alumni who are ambassadors for CSU Stanislaus, proudly talking about their experiences and successes, and utilizing their education to invest in the next generation of students.

Jessica De Silva, ’13, was among the alumni who signed the online yearbook. She earned her bachelor’s degree in mathematics at CSU Stanislaus and is now pursuing a Ph.D. at the University of Nebraska-Lincoln. When she heard about the yearbook in an email from the Alumni Association, she was excited to share where her degree is taking her.

“I was motivated to sign up for the Class of 3 Million because I take strong pride in the CSU system and had an amazing undergraduate career at CSU Stanislaus,” she said. “I am very proud to be an alumna of CSU Stanislaus; it gave me all the opportunities I needed to achieve the goals I set for myself. I knew I wanted to continue studying mathematics, and a Ph.D. will allow me to contribute back to my field through research.”

De Silva is only one example of the alumni who are ambassadors for CSU Stanislaus, proudly talking about their experiences and successes, and utilizing their education to invest in the next generation of students.
In three years on the job, CSU Stanislaus Director of Athletics Mike Matoso has orchestrated a departmental transformation encompassing both success and perception.

On the field, the Warriors have made significant gains, winning three California Collegiate Athletic Association team championships (women’s soccer, men’s basketball, golf) during the 2013-14 school year and following that with another team title (golf) this spring.

Equally as important as wins and losses has been the marked uptick in the respect offered to Warrior Athletics both in the community and by fellow CCAA members. That respect can be measured in very real terms, as ticket revenues have more than tripled since Matoso arrived in May 2012, and the CCAA continues to call on CSU Stanislaus to host conference events in tribute to the Warrior organization and the quality of campus facilities.

**STAN Magazine:** How do you measure the success and growth of this department over the last few years?

**MM:** I look at community engagement as a huge success, and also the fact that we’re competing and making deeper runs into tournaments in several sports. I notice a lot more respect at the conference level.

**STAN:** Does that respect come through winning, through the perception of the athletic organization or through a combination of the two?

**MM:** The conference is always asking us to host events — we host more events than anyone else in the conference. We do a really good job. And as far as the student-athletes are concerned, my goal is to create an environment in which they feel they’re getting a Division I experience.

**STAN:** When other schools come on this campus and see the facilities, what role does that play in the growing respect for the Warrior athletic program as well as the University’s ability to attract student-athletes?

**MM:** It’s a huge factor. If you’re going to be competitive in the Central Valley, you have to have great facilities. If you’re going to sway a kid away from signing with a Division I school or a school near the coast, the facilities have to be top-notch.

**STAN:** So what is next for the athletic program, in terms of both on-field success and facilities development?

**MM:** We had a hugely successful year on the field in 2013-14, and coming into this year I spoke with the coaches and staff about how important it was to follow that up with more success. Now that everybody’s had a taste of what it’s like to win and be successful, I’m really looking forward to this year. From a facilities standpoint, upgrading the arena is my priority. There’s an air conditioning project that’s being discussed, the floor needs to be redone and we want to address the seating area. If we can do that and then reconfigure the softball seating and add a press box, then we’re built for long-term success across the board.

“I know in basketball, especially after my junior year, there were expectations to win coming from inside the program that weren’t there before, at least since we’ve been a Division II program. We’ve put up five championship banners in the gym from various sports since I’ve been here, and you get respect from other teams once you’ve shown you can win. All that’s happened since Mike’s been here.”

— Clinton Tremelling, basketball
(2015, BS Kinesiology)
PLOTTING THE FUTURE ONE DATA POINT AT A TIME

By Brian VanderBeek
Benjamin Wright admits to putting his brain into sleep mode shortly after graduating from CSU Stanislaus, but when told of a friend’s plan to hike the Sierra’s John Muir Trail, Wright sprung into action.

“I developed an interactive map displaying hiking trails and other important data,” he said. “I made my friend a quick map dividing the trail into sections based on the number of days she had to hike, locations of the closest emergency services, and a rating system of which areas would be most difficult based on elevation.”

There are countless ways Stanislaus students will be able to put their training in geographic information systems (GIS) into practical use. Many will be able to build a career around the skills they learn.

The study and application of GIS techniques and programs is exploding at a parallel pace to the technology it utilizes. Simply, GIS provide a way to capture, analyze and map limitless types of geographic and spatial data.

Think of it as taking a large amount of data from a spreadsheet and charting it in a way to allow for the better understanding of the relationships between space, place and time — a research tool to guide decision-making and planning.

And, speaking of being on a GIS career track, that’s where Wright is running. He parlayed his GIS training into an internship with the City of Turlock, and then a position at Turlock Irrigation District in which he will be asked to implement GIS techniques.

He’s one of many success stories from the GIS program, which is housed in the University’s geography department. The program offers a geospatial concentration that requires classes in cartography and visualization, GIS and remote sensing.

And because the practical application of GIS is growing at an unbounded pace, there is an incredible demand for students with those particular skills.

“I don’t have enough students for the calls from companies seeking internship candidates,” said Geography Professor Jennifer Helzer. “And these are the kinds of internships that turn into steady jobs.”

Several recent graduates, through a formal partnership, have landed jobs with E. & J. Gallo Winery — the world’s largest wine producer and one of the region’s top employers. In early 2014, advanced GIS students from CSU Stanislaus completed a project for E. & J. Gallo Winery to map all manifold valves and cut-outs. The research and subsequent mapping will help the company upgrade its vineyard irrigation infrastructure to use water more efficiently.

“I was taught early on in the program that GIS was where the technology and advancements were being made in the professional geography field,” said Stephanie Lopez, who through the geography program landed an internship with Turlock-based solar company JKB Energy. “I first used it in Geographer’s Toolbox and thought there was no way this was something I wanted to learn further or apply later down the road. But here I am now with my third GIS class completed and I now know what positive research GIS can and has yielded.”

This spring, a group of CSU Stanislaus students created a geocaching tour of downtown Turlock, punching coordinates into hand-held GIS units. The data they compiled was used in cooperation with Google Earth to create a map of downtown Turlock, which became the basis of a historical walking tour.

DeeDee Wilcox, a junior studying geography with an emphasis in geospatial technology, said the collection of data provided its own set of lessons. “If you’re walking around with
your clipboard and a GIS unit around your neck, and you're looking into buildings and taking notes, people are going to ask questions,” Wilcox said.

A city worker was more than happy to tell Wilcox about a time capsule that was buried nearby in 1997, as well as a photo album at the old City Hall that contained a trove of images dating to the city’s early days.

“Sometimes we walk through life just getting to where we’re going instead of looking at what’s along the way,” Wilcox said.

The applications of GIS are limited only by the imagination of the person using them, according to Cameron Pallotta, who is working on his master’s in geospatial analysis while managing the University’s GIS computer lab.

“The city of Modesto is using it for crime mapping,” Pallotta said. “But in addition to using it in criminal justice, there also are many agricultural uses — and our students are getting jobs.”

Some of the agricultural applications referred to by Pallotta enable users to become better water stewards and create plans to maximize the benefits of crop rotation.

“There are a lot of Web applications being built so that end-users don’t have to be experts in GIS,” Pallotta said. “It’s all live, all the time.”

GIS methods applied in real-time certainly have applications in times of disaster. Wright cited how, during the 2010 disaster in Haiti, GIS maps overlaying areas of greatest damage with those of highest population density informed aid-workers about where to focus their efforts.

Yes, GIS can save lives. It also can help a friend’s efforts to conquer a famous Sierra Nevada hiking trail.

“One of the most common questions asked by students is ‘Hasn’t everything already been mapped?’” Wright said. “Very early on our professors provide evidence that this is not the case. The number of problems that can be solved by viewing information spatially is extraordinary, and students were constantly surprising me with their ability to think outside the box in their approaches to analyzing and displaying data.”
The seven siblings in the Gemperle family know what it means to give back to their communities. They are involved in a myriad of service and charitable activities near their respective homes, but this year they came together to make a gift not only to honor their parents, but to inspire the CSU Stanislaus community to invest in the future of the region.

In support of this year’s One Purpose campaign for student scholarships, the Gemperle family and Gemperle Family Farms have made a $250,000 contribution to the One Purpose endowment, which serves as a motivational platform for the volunteers who have accepted the challenge to raise $1 million during the six-week fund drive this fall.

“The Gemperle family has made an incredible statement of confidence in this University and in the One Purpose campaign,” said CSU Stanislaus President Joseph F. Sheley. “And it is an investment in students who have accepted the challenge to raise $1 million during the six-week fund drive this fall.

“The Gemperle family has made an incredible statement of confidence in this University and in the One Purpose campaign,” said CSU Stanislaus President Joseph F. Sheley. “And it is an investment in students who have accepted the challenge to raise $1 million during the six-week fund drive this fall.

Anita Mahaffey, Susan Abdo, and Heidi, Peter, Richard, Stephen and Michael Gemperle said that this gift continues the tradition of their parents by supporting education and their belief in the value of investing in students.

“My parents encouraged all of us to get an education, and so for us to continue our parents’ legacy of supporting education is meaningful,” said Anita Mahaffey. “I believe that education is a gift that keeps giving. When you change someone’s life with education you not only change his or her circumstance, but you have an impact for generations to come. They will inspire their children and those children will inspire others.”

All of the siblings are involved in running Gemperle Family Farms, based in Turlock. They understand the ways education affects business and how a college-educated workforce impacts the growth and success of the community.

“When you invest in education, you invest in your community,” said Susan Abdo. “And it improves the vibrancy of the community.”

This gift to the endowment, while separate from the funds raised by volunteers during the six-week fund drive, will inspire and motivate volunteers and community members to invest in scholarships and make a positive difference for students at CSU Stanislaus, with the hope that those students will be empowered to pay it forward when they graduate. Future earnings from the endowment will add to the funds raised by volunteers, providing additional scholarships for outstanding students.

“We’ve seen the good that One Purpose does in the community and to assist students who are graduating from the University. And many of these student achievements are being made by first-generation students and their families,” said Stephen Gemperle, president of Gemperle Family Farms and member of the CSU Stanislaus Foundation Board.

Giving to One Purpose means more than investing in students — it’s about investing in a university and a community with the potential to lead the region to economic success.

“Having a university in our backyard is so critical for culture, for education and for the dynamics of the city,” said Richard Gemperle. “And I believe in the importance of integrating the University and the city together and building partnerships. CSU Stanislaus is the core of our community.”

SUPPORTING EDUCATIONAL SUCCESS

By Kristina Stamper

Anita Mahaffey, Richard Gemperle, Susan Abdo, Peter Gemperle, Michael Gemperle, Heidi Gemperle and Stephen Gemperle
When a passionate, committed group of people comes together with a purpose to make a lasting change in its community, the power of the unified effort can have remarkable results.

This year, leaders from the campus and the community have stepped up to dedicate their time, talents and enthusiasm toward the goal of raising $1 million for student scholarships during the second annual One Purpose campaign, which will launch Aug. 27 and conclude on Oct. 8.

The first cohort of more than 165 students has received One Purpose scholarships from the funds raised through the inaugural One Purpose campaign in 2014. These One Purpose scholars are feeling motivated, inspired and appreciative that their community has come together to invest in them as they enter a new academic year.

“Donors to One Purpose have the opportunity to see the immediate impact of their support,” said Shirley Pok, vice president for university advancement, who led the team that launched the inaugural campaign in 2014. “The funds we raised last fall are making a difference for students right now, and these scholarship awards demonstrate how volunteers can be a part of these amazing results.”

Many of these first recipients were delighted and surprised to receive awards, since One Purpose scholarships require no applications. Their outstanding academic performance brought them to the attention of the president, college deans and athletic director who chose from among those students with the highest GPAs and who are making a positive impact in their academic, artistic and athletic programs.

“When I found out that I had been awarded a One Purpose scholarship, I was astonished,” said Akaash Sharma, who is working toward a business degree in computer information systems and finance. “The fact that someone chose me as an outstanding student...
with a desire to reward my efforts really means a lot to me. One Purpose donors should feel incredibly proud that their contributions are going to help a student who is dedicated to succeeding in their education.”

Scholarships also encourage and affirm those students who are committed to their education. Nursing student Marcelle Winkler said receiving a One Purpose scholarship reminded her that pursuing her education is going to eventually pay off.

“For a student that is working very hard, receiving a scholarship can be incredibly impactful,” she said. “The recognition of their efforts and the encouragement that they are on the right path will motivate them to succeed.”

Alyssa Long plans to become a high school English teacher after

she completes her bachelor’s degree and earns her teaching credential at CSU Stanislaus. Her One Purpose scholarship has encouraged her to continue earning excellent grades and has given rise to a desire to give back to our region

“It is special that these One Purpose scholarships are coming from the community,” she said. “When I graduate, I am inspired to contribute to scholarships and I hope that students like me will want to stay here in the Valley and build a continuing cycle of positivity.”

The need for a robust, college-educated workforce in our region is clear. When the community comes together to invest in students through scholarships, they pave the way to economic success for the Central Valley and beyond.

“Investing in CSU Stanislaus students creates a ripple effect in the community,” said Pam Able, superintendent of Modesto City Schools, who has stepped forward to support the second year of the One Purpose campaign. “Scholarships encourage our best and brightest students to stay and work locally, and to give back to the community that supported them in their education.”

Now that scholarships are being awarded and the second year of the campaign is nearly ready to launch, students are increasingly interested in the opportunity to be awarded a One Purpose scholarship. They will be working hard to earn the grades that will qualify them for future scholarship opportunities, and there will be incentive for talented students to study at CSU Stanislaus, according to Sharma.

“When students learn about One Purpose and how it helps students that work hard academically, they will be drawn to come here not just because of the financial value of the scholarship, but also because of the people in this community who care about and believe in students,” Sharma said.

For more information about One Purpose and to learn how you can become a member to support student success, visit www.csustan.edu/giving or call (209) 667-3131.

“I was incredibly honored that the dean of the college recommended me for such a prestigious scholarship and recognized my academic achievement. It is a reassurance that I can achieve my dreams.”

- Selina Hernandez
Criminal justice student and 2015-16 One Purpose scholar

“CSU Stanislaus communicates with local school districts to learn what skills their student teachers should acquire to benefit the needs of the districts and the students. As a result, new lessons have been created for ongoing teacher education that will have a positive impact on K-12 education.”

“CSU Stanislaus attracts incredibly talented students that have a great deal of potential. One Purpose is a way in which our community can support these students and help them achieve. It’s a great investment for the future of our region.”

“Because CSU Stanislaus programs incorporate evidence-based practice into the curriculum, graduates are able to integrate best treatment options, their experience, and the needs of patients and their families to deliver the best care for our patients. They understand it, own it and integrate it into everyday practice.”

“Our region is in need of more college graduates who will become tomorrow’s leaders and CSU Stanislaus is answering that need by graduating well-prepared students who are going to make a difference in this region. Bronco employs many CSU Stanislaus graduates who become integral participants in the success of our company.”
We are thrilled to introduce the dedicated individuals from the campus and the community who have stepped forward as One Purpose volunteers.

As they embark upon the second annual fund drive, these 23 teams will enthusiastically share their passion for student success. The six-week giving campaign will raise funds for scholarships to be awarded to students who demonstrate academic excellence.

Please join us! Becoming a member of One Purpose means more than making a donation — it means you want to invest in students to help provide our region with a robust, college-educated workforce.

**FOLLOW ONE PURPOSE**
<table>
<thead>
<tr>
<th>Team</th>
<th>Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Team Earhart</td>
<td>Robert Baughn, Amy Bublak, Jesse Marchant, Dave Pok, Curtis &amp; Sally Souza</td>
</tr>
<tr>
<td>Team Forbes</td>
<td>Carrie Cardoza, Bordona, Brett &amp; Diane Dickerson, Jeff &amp; Britta Foster, Annabel Gammon, Mary Guardiola, Kristi O’Brien, Richard O’Brien, John Sims, Michael VanWinkle</td>
</tr>
<tr>
<td>Team Ford</td>
<td>Emily Christensen, Laura Fong, Michael Hyde, Roger Johnson, Miranda Lutzow, Maria Mendoza, Janet Nunes-Pineda, George Pirtle, Jeffrey Schindler</td>
</tr>
<tr>
<td>Team Keller</td>
<td>Martha Arestegui, Nick Bali, Daniel Garcia, Jason Winter</td>
</tr>
<tr>
<td>Team Lincoln</td>
<td>Ben Balbaugh, Paul Campbell, Virginia Madueno, Norik G. Naraghi, Jamie Norwood, Alex Ramirez, John Surla, Jose Zamora</td>
</tr>
<tr>
<td>Team Parks</td>
<td>James Brenda, Jilbert Givargiz, Nancy Holmes, Kadi Ingram, John &amp; Nellie Lazar, Jean Lee, Ninfa Lopez-Smith, Phaedra Norton, Naresh Patel, Grant Sweringent, Virginia Takenaga, Ankeek &amp; Antoine Varani</td>
</tr>
<tr>
<td>Team Reagan</td>
<td>Patricia Gillum, Steve Madison</td>
</tr>
<tr>
<td>Team Roosevelt</td>
<td>Jim &amp; Samantha Bland, Susa Bluvshiteyn, Dale Butler, Douglas Chadwick, Ellen Dunbar, Gladys Gesicho, Marty Grynbaum, Balvino &amp; Kathleen Irizarry, Mrs. Cleopatia &amp; Ernest Moore-Belle, Bob Patnode, Greg Rhodes</td>
</tr>
<tr>
<td>Team Thatcher</td>
<td>Peter Frost</td>
</tr>
<tr>
<td>Team Washington</td>
<td>Monica Nino, Blain Bibb</td>
</tr>
<tr>
<td>Team Aristotle</td>
<td>Horacio Ferriz, Bill Potter, Thomas Reeves, Stuart Woolery</td>
</tr>
<tr>
<td>Team Chavez</td>
<td>Corey Cardoza, Denette Dores, Susie Fitzgerald, Laurie Marroquin, Mariam Salameh, Rosalinda Torres, Roubina Yadegarian</td>
</tr>
<tr>
<td>Team Davinci</td>
<td>Leslie Cruz, Julie Fox, Ed Hernandez, Andrew Hinrichs, Lynn Johnson, Jagrup Samra, Arleen Wallen</td>
</tr>
<tr>
<td>Team Einstein</td>
<td>Helen Aleksani, Pamela Burns, Heather Contreras, Jean deGrassi, Debra Finney, Sue Gomes, Laura Long, Sameet Singh, Robert Torres, Dana Salles Trevethan</td>
</tr>
<tr>
<td>Team Shakespeare</td>
<td>Elizabeth Allen, Holly Barragan, Tyler Flaherty, Stan Gustafson, Chuck &amp; Elise Kleiber, Bryan &amp; Erin Nelson, Allen &amp; Penni Rorex, Stephanie Talkington</td>
</tr>
<tr>
<td>Team Sinatra</td>
<td>Allen &amp; Melissa Cherry, Jill Chiesa, Daniel &amp; Denise Maciel, Ben &amp; Stacy McGuire, Andrea Nichols, Brad &amp; Melissa Treadwell, Derek &amp; Kellie Tull, Rob &amp; Brandi Young</td>
</tr>
</tbody>
</table>

Volunteers committed as of July 15, 2015
CSU Stanislaus is grateful to the local corporate and business community for its generosity and support of student success through One Purpose, Shakespeare Under the Stars and Vines. These organizations have invested in the next generation of leaders for our community. We thank you!

WITH GRATITUDE

PHILANTHROPIC PARTNERS ($10,000 AND ABOVE)

PHILANTHROPIC PARTNERS ($5,000)

Herum Crabtree Suntag
Turlock Journal

PHILANTHROPIC PARTNERS ($3,000)

American Assyrian Civic Club
Bowen & Michelle Cardoza
Central Valley Specialty Hospital
Dickerson Law Inc.

DONORS

The names listed here represent the individuals and organizations that donated to the CSU Stanislaus Foundation between December 1, 2014 and May 31, 2015. We are deeply grateful for this generous community of donors and their dedication to supporting excellence in higher education.
The roles of the Reflecting Pond and the four lakes on the CSU Stanislaus campus have been no secret to those who see that stored water in action on a daily basis.

And now, the University is beginning to garner statewide attention for the way it uses those 50-year-old ponds and lakes as the heart of a system that saves, stores, measures, recycles and reuses this most precious of natural resources.

On May 14, while on campus to give a presentation on the state’s outreach efforts in areas most hard-hit by the drought, Christopher Bonds, the senior engineering geologist for the California Department of Water Resources, was given a tour of the CSU Stanislaus water system by Louie Oliveira, the University’s chief engineer.

Bonds came away very impressed by what he saw.

“I found the 50-year-old CSU Stanislaus irrigation and reclamation system to be quite ahead of its time and impressive, especially with the recent addition of the automated control system for monitoring the campus water balance in real time,” Bonds wrote. “Being able to monitor the water balance at this level of detail creates many unique opportunities to realize water management efficiencies and improvements. The campus administrators now have actual water metrics on which they can capitalize.”

Even with the plaudits in hand, the University continues to find ways where campus water can be used and reused with greater efficiency.

In May, Melody Maffei, the associate vice president for facilities services, published a list of 20 measures the University has taken to reduce water use. Some of these steps have been in place for as many as 10 years, while some are recent responses to the state mandate that all CSU campuses cut water usage by 25 percent. A computerized control center is in place to oversee every aspect of water use, so system-wide storage can be accurately measured and water release manipulated for maximum efficiency. The system eventually will include as many as 44 moisture sensors to determine when an area needs water, and a connection to an on-campus weather station that will alert the system when a storm is approaching and flows need to be curtailed.

Maffei also included four additional drought responses in the works that will place CSU Stanislaus at the forefront of water-efficient campuses.

The most significant involves the University cooling tower, which — using an estimated 5 million gallons annually, or enough to overflow the Reflecting Pond — currently is the largest user of municipal water on campus. A front-end filtration system is being put in place that will allow the cooling tower to use irrigation water.

The excess water from the cooling tower then would be returned to the irrigation supply — another instance of how the University is striving to use, recycle and reuse every drop of water that finds its way onto campus.
There are many reasons why you might consider making a charitable bequest. Here are some of the benefits of bequest giving:

- It costs you nothing today to make a bequest
- Your bequest can be changed down the road
- You can still benefit your heirs with specific gifts
- You can leave a legacy through a bequest
- A bequest is free of federal estate tax
- A bequest may produce estate tax savings

To learn more about how you can make an estate gift, please visit plannedgiving.csustan.edu.