Welcome back! I hope you had a great spring break. Good luck this quarter and feel free to stop by the office if you have any questions. Make sure to check out all the new internship and career opportunities on the following pages.
JOB OPENING: Irrigation Designer

# of Positions: 1  
Job Type: Full-Time  
Benefits: Full Benefits  
Department: Design  
Compensation: Salary + Performance Incentive  
Preferred Qualifications: Degree in Agricultural Engineering or Ag. Systems Management with a focus in water and irrigation

Want to be part of a fun-spirited, energetic, forward-thinking team? We are looking for a self-driven designer willing to openly collaborate with coworkers, design, creatively produce and problem solve projects in the field and in the office for a highly creative & innovative irrigation company.

Job Position: In a word, Designer...In the words of your potential teammates, problem solver, critical thinker, excellent communicator, conceptual thinker, hands-on, thinks outside the box, enjoys their work, and works well with others. If it has to do with water we design it: Irrigation, Pump & Filter Stations, Electrical Controls, Fertilizer Injectors and more...

What We Provide: A fast-paced, fun and energetic team environment; expansive workspace & open access to experienced team members ready to train and work with you to create amazing results.

What We Want You to Provide: Motivation with a strong desire to learn; High intellect; Ability to meet deadlines and excel under pressure; Knowledge of irrigation is a plus; Proactive communicator with team members, sales team, customers, and vendors; Dedication; Efficiency; Endurance for the busiest seasons; Flexibility; and an Engineering Mind. A background in Fabrication would be great, but is not necessary.

What Will Make You a Great Candidate: In addition to the above character traits and skills, experience with or willingness to become an expert in programs such as AutoCAD and Solid Works; an understanding of Irrigation Hydraulics; and a friendly, outgoing personality.

Bottom Line: If you like people, hard work, dirt, water, success, and a challenge – Opportunity awaits! Apply soon for more information. Email resume to AJ@LodiIrrigation.com
Position: Geographic Information Systems (GIS) Intern

Location: South Valley Farms – Wasco, CA

Dates: Early May to late-August, 2015 (Exact dates are flexible)

Company Profile: AgReserves, Inc. is a multi-national, multi-corporate company that operates investment farms and ranches around the world. The California Operations Segment, one of the company’s business units, consists of two farming operations: almonds and pistachios in Wasco and walnuts and prunes in Chico, as well as processing facilities in both Wasco and Chico.

Description: This position is located at the South Valley Farms office in Wasco, CA, but may be assigned to assist remotely and/or in person with some projects in Chico, CA as needed. The responsibilities and essential duties for this position include, but are not limited to:
- Using ArcGIS and AutoCAD software to map farm infrastructure (irrigation lines, utilities, etc.) and mapping property legal descriptions into an enterprise geodatabase.
- Assisting in GIS data creation and the implementation of a company-wide initiative to accurately record/map all company land assets.
- Creating maps and spreadsheets using ArcGIS, AutoCAD, Excel, and related software/equipment.
- Using Trimble GPS units with ESRI ArcPad to collect feature geometry/attributes, and refine existing GIS datasets.
- Presenting information to other employees and answering questions/inquiries.

Skills/Education Required: The preferred candidates for this internship would be junior, senior year students (or recent graduates) in GIS, surveying/geomatics, drafting technology, civil engineering, geography, agronomy, or a related field. Skills required include:
- Experience with ESRI’s ArcGIS is required (typically satisfied by taking 1 to 2 introductory GIS courses).
- Understanding of GIS concepts and principles is required.
- Experience with AutoCAD is preferred (applicants with strong AutoCAD experience but limited or no ArcGIS experience may be considered).
- Ability to work with CAD data in ArcGIS is preferred.
- Experience with Trimble GPS units and ESRI ArcPad is preferred, but not required.
- Knowledge of the Public Lands Survey System (PLSS) and entering coordinate geometry (COGO) data from property legal descriptions is preferred.
- Ability to communicate technical information to non-technical staff in a courteous and professional manner is required.
- Attention to detail and self-motivation are critical. Applicant should possess a strong work ethic and a desire to learn.
- A valid driver’s license is required. Ability to drive company vehicles (i.e. cars, pickup trucks) is required. Experience driving ATVs (all-terrain vehicles) is preferred, but not required.

Physical Demands and Work Environment
- Work environment is split between a normal IT/GIS related office environment and outdoors in rural agricultural areas using GPS equipment to collect infrastructure data.
- Must be physically able to traverse rough terrain while gathering GIS data.

Salary/Benefits: Interns are paid $12/hour. Housing may be provided at the company’s discretion.

To Apply: To be considered for internships, send cover letter and resume to trjones@ari-slc.com with “GIS Internship Opportunities” in the subject line.
HCL Machine Works is a privately owned company that has been in business since 1947. HCL has a reputation for building rugged and dependable equipment and for increasing the durability of other’s equipment brought to us for repair or modifications. We are a job shop, a retail outlet for shop supplies, a wholesale outlet for products and a manufacture of agricultural products.

HCL Machine Works is currently looking for a BioResource & Agricultural Engineer (BRAE) or Agricultural Systems Management (ASM) graduate to add to our engineering staff. The qualified applicant will be one who thoroughly enjoys designing and building custom agricultural equipment.

EDUCATION: Degree in either:
- BioResource & Agricultural Engineer (BRAE)
- Agricultural Systems Management (ASM)

DUTIES: Meet with customers and successfully solve their farm/shop needs:
- Analyze problems
- Devise a plan to accomplish the customer’s goals
- Create auto-cad or hand drawn plans that are shop ready for the shop crew to use
- Purchase parts, supplies and components for projects from appropriate vendors at an effective price
- Analyze completed projects for quality & cost accountability
- Fill-in as shop supervisor on an as needed basis
- Order shop supplies and stock materials
- Assist customers on phone with questions and orders
- Oversee materials flow and labor to keep HCL’s manufacturing projects moving forward
- Occasional work as HCL representative at trade shows or sales meetings
- Professional letter writing & answering e-mail requests for information
- Manage multiple projects simultaneously
- Job estimating
- Keep files on recurring projects

CONTACT: Sherrill Campbell
- 209/509.9566
- 209/392.6103
- sherrill@unwiredbb.com or glassp@unwiredbb.com

www.hclmachineworks.com   www.compostturners.com   email: sales@hclmachineworks.com
ARE YOU LOOKING FOR A PAID INTERNSHIP???

Meras Engineering Inc. is a leading provider of water treatment solutions and we are looking for a highly qualified student to participate in our Paid Summer Internship.

We are looking for a student to help us complete Remediation’s, Water Testing, and DU’s in Paso Robles.

If you like to work:
- Outdoors
- Hands-on
- Independently
- With a great Company
- Making a difference

This is the internship for you!

SUMMARY OF JOB DUTIES:

DU - The measure of how uniformly water is applied to the area being watered, expressed as a percentage. Intern would be gather readings from specified locations of the Irrigation system, and measure them. Each reading will then be recorded into a graph to present.

Remediation’s – Increases the irrigation efficiency by utilizing chemical treatment. The chemical is injected into the irrigation system using a pump.

INTERESTED STUDENTS:

If you are interested in applying or would like to obtain more information, please forward your resume or questions to:

cvilla@meras.com

Or call us at: (415)240-4918
**Student Opportunities**

**Silicon Valley Startup Engineering Internship Opportunity – 3 months**

This project is focused on gathering data needed to improve existing algorithms and models for computing water flow from power measurements.

**Location:** Redwood City or Fresno, CA

**Project description**

- The candidate will work with data scientist and water pump experts from the pump industry and universities to improve physical models used to measure water flow from power measurements.
- A second aspect of the project will be gathering ground-truth data in the field needed for analysis and further verification of the results.
- Finally the candidate will work with data scientist to improve to identify signatures for new types of pump anomalies.

**Skills required**

- The ideal candidate would have a basic knowledge of mechanical engineering or physics applied to irrigation, and have passed undergraduate level classes in signal processing.
- The candidate must be personable and able to talk with people of varying degrees of technical sophistication.
- The ideal candidate must be familiar with software tools and have the ability to implement models in Excel, Python, or equivalent.

**Background on company**

- PowWow Energy provides a Software-as-a-Service (SaaS) to assist growers in their daily operations, and as a by-product save water and energy. The company is located in the Bay Area, and is affiliated with the Water Energy Technology (WET) Center at Fresno State and the Institute for Energy Efficiency (IEE) at UC Santa Barbara.
- The first product of the company won the National Prize at the Cleantech Open 2013 among 400 startup applicants. It recently received a grant from the California Energy Commission (CEC) to accelerate the availability of energy efficiency and water conservation solutions for agriculture.
The California Agricultural Irrigation Association Scholarship was organized to give aid to students with a desire to pursue a career in the agricultural irrigation industry.

Who is eligible?
- High school seniors or undergraduate students who are residents of California entering or attending a two or four-year accredited college or university in California
- Student must be considered a full time student by their institution
- Students with a major/concentration in agriculture with the intent to pursue a career in the irrigation industry

How many scholarships are given, and in what amount?
Each year, the CAIA Board of Directors will determine the number of scholarships and the award amounts depending on the funds available. Scholarship awards average $1200 for the academic year, disbursed in two installments, one for the fall semester and one for the spring semester. In addition, scholarship recipients will automatically receive student memberships in CAIA for the duration of their scholarship period.

Application Requirements
Applications are accepted each year and must be accompanied by the following applicable items:
- Completed scholarship application
- College transcript (for those currently enrolled)
- Two (2) letters of recommendation dated within three months of application. One letter from a CAIA member company representative is preferred. A list of CAIA members can be found on the CAIA website (www.calirrigation.com).

Must you be a CAIA Member?
No, although priority will be given to students who are employees of, or have served as an intern for, a CAIA member company.

Are scholarships renewable?
Yes. Past recipients are invited to reapply each academic year. Successive applications must include a completed application form and current college transcript.

Letters of Recommendation
Letters of recommendation must be dated within the last three (3) months and contain the name of the applicant, comments on the applicant’s character and abilities, and an opinion of his/her ability to profit from a college education. A parent or close relative cannot be considered as a reference. The name and occupation of each person writing a letter is required. Letters of recommendation are not required from past award recipients.

Application Deadlines
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<th>Fall Semester – June 1st</th>
<th>Spring Semester – October 1st</th>
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Award Dates (to college)
| Fall Semester – July 1st | Spring Semester – November 1st |
Now Accepting Applications for Positions at CAFES’ MAP Center!

What is the MAP Center?
- Multicultural Agriculture Program
- A place to meet new people!
- We offer:
  - Free tutoring
  - Convenient printing
  - Resource Files
  - Study Space
  - Community Space
- Serving students since 1993

Where is the MAP Center?
- Located in Building 10, Room 202
- Email: cpmapcenter@gmail.com
- Phone: 805-756-2627

What Positions are Available?
- Peer Academic Mentors (PAM) – multiple openings
  - Provides assistance to students, faculty and staff using the Center.
  - Maintain a professional, inviting environment in the MAP Student Center conducive to productive academic activities.
  - Provides tutoring to students.
  - Minimum Cal Poly cumulative GPA: 2.75

How to Apply?
- Pick up an application from the MAP Center (10-202)
- ALL major are encouraged to apply

Applications are DUE no later than April 20, 2015!
APPLY TODAY!
Student Opportunities

Soil Conservation Technician
The vacancy announcement for the Soil Conservation Technician has posted to the USA Jobs website.

Soil Conservation Technician, GS-0458-06/07
Locations: Petaluma and Stockton
Open 3/19/2015
Closes 3/30/2015
Link to Announcement https://www.usajobs.gov/GetJob/ViewDetails/398168200

Regency Olive Ranch
Regency Olive Ranch is interested in participating in an internship program with Cal Poly College of Agriculture and hiring qualified candidates for the permanent job. We offer a hands on, practical training opportunity for agricultural students to manage the operations from orchard tree maintenance to the actual harvest and production of olive oil, including but not limited to storage, maintenance of equipment, etc. We are interested in hiring appropriate candidates for the permanent position. In June 2011, Regency Olive Oil won a silver medal in the Los Angeles International Virgin Olive Oil Competition. Regency Olive Oil won the Gold Medal at the 2011 Central Coast Olive Oil Competition.

Contact Information:
Gayle
gaylerouse@msn.com
541-968-3309
**Student Opportunities**

Apply at: https://www.usajobs.gov/GetJob/ViewDetails/398713500
Dear ABE or ASM Graduate -

As you approach graduation, let me be the first to wish you hearty congratulations on the conclusion of the undergraduate chapter of your career path.

So what’s next? Perhaps you’ll be entering the work world or pursuing an advanced degree. Either way, I strongly urge you to align yourself with the American Society of Agricultural and Biological Engineers (ASABE), the premiere professional society for engineering in agriculture, food, and biological systems.

For over 100 years, ASABE has kept its members apprised of new technologies, practices, techniques and advances in the fields of agricultural and biological engineering. With engineering technology changing daily, ASABE members find the information and assistance they need, when they need it. We’re dedicated to helping you succeed in your profession.

As a member, I can assure you ASABE has so much to offer for your professional development. And they’d like to show you just how valuable ASABE benefits and services are by extending to you a **free one-year membership**. Simply complete the application on the reverse side of this letter and mail it in. If you are already a member of ASABE, this free offer extends to you too! I also invite you to visit their website at www.asabe.org. Click the Membership link to access the full line of benefits and services.

In these uncertain economic times, now more than ever you need the network your professional society gives you. Join today to network with nearly 8,000 fellow members who can help you start your professional journey the right way and more importantly, help you find and keep your job.

If you have specific questions on how ASABE membership has helped me over the years, please let me know.

Sincerely,

Department Head Name
University

Come into the office for an application as you see to the above.
Student Opportunities

WE HAVE MONEY FOR STUDENTS!!!
(AZ, CA, CO, HI, NV, UT, WY)

Please forward the attached scholarship application to your agriculture career/recruiting department or financial aid office for posting. All high school seniors and current students at tech schools, community, junior and four-year colleges and universities are eligible (no graduate students).

Preference is given to individuals in ag mechanics, engineering and related hands-on tractor and equipment studies, although all related agriculture majors may apply. Financial need is a major component.

Please send completed applications to:
screighton@farmprogress.com

Many Thanks,

Sandy Creighton
Scholarship Chair
Tractor & Equipment Association
EIT Review Sessions- UPDATE

Chi Epsilon will be hosting review sessions in April 2015 and we are tailoring our review sessions to complement the new format. If you plan on taking the exam sometime this fall and want to take our review sessions, please schedule your test date after April 16th.

The FE/EIT review sessions will start on Monday, April 6th. The review sessions will prepare you for all subjects on the general part of the exam. We will not be covering discipline specific topics. A Cal Poly professor teaches each session and comprehensive study packets for each topic are provided. It’s a great way to prepare for the exam if you haven’t started studying or even if you’ve been studying for months.

Tickets are $60. I have had questions from prior years regarding how the tickets work. The one ticket will get you into ALL the review sessions. The dates for each session are listed below.

FE Review Session Details:
List of Dates and Times for April 2015 FE Review Sessions:

Dates
Monday, April 6, 2015 – 8:00-10:00 pm
Tuesday, April 7, 2015 – 8:00-10:00 pm
Wednesday, April 8, 2015 – 8:00-10:00 pm
Thursday, April 9, 2015 - 8:00-10:00 pm

Monday, April 13, 2015 – 8:00-10:00 pm
Tuesday, April 14, 2015 – 8:00-10:00 pm
Wednesday, April 15, 2015 – 8:00-10:00 pm
Thursday, April 16, 2015 - 8:00-10:00 pm

We will be selling tickets to the review sessions next week on March 11-12 from 10am -2pm in front of the library. Cash or checks will be accepted. Please make checks out to “Chi Epsilon”. If you cannot make this sign up time, please email me and we can work something out.

For more information about our review sessions and how to register for the actual FE exam, please visit: http://chiepsilon.calpoly.edu/eit/

Please email cpeitreview@gmail.com if you have any questions.

In addition to the Chi Epsilon review, we will also have a BRAE Dept review session on Thursday, 2 April from 1pm - 4pm for the FE exam.
The Fulbright U.S. Student Program includes fully funded, international opportunities for graduate study, research, creative arts practice, teaching assistantships in English, digital storytelling projects, public policy fellowships, and ethnomusicology research.

Join us to learn about Fulbright awards for graduating seniors and graduate students. We will discuss the application and selection processes and provide pointers on how to submit a competitive application. Workshop is open to all students and is best suited for juniors, seniors, and current grad students.

CAMPUS DEADLINE: September 15, 2015

CONTACT if unable to attend:
Dr. Cari Moore (cmoore36@calpoly.edu)
Director of the International Center

For more information:
http://studyabroad.calpoly.edu/programs/fulbright.html
The Research Scholars in Residence Program at Cal Poly is pleased to present a lecture for the University and Local Community

Tuesday, April 7, 4:00pm
Cal Poly Kennedy Library, Bldg. 35, Room 202A

A Fairy Tale
For Boys and Men

A presentation by George A. Bekey, Cal Poly Research Scholar in Residence

Traditional fairy tales, such as those collected by the Grimm brothers in villages throughout Europe in the early 19th century, were “teaching stories.” They were told around the campfire by wise old men to children, to help them cope with the difficulties of growing up to adulthood. Many of these stories are hundreds or thousands of years old. In this seminar you will hear an old story for boys (and men) about a wild man known as “Iron John.” Hopefully, the audience will help the speaker interpret the story.

Light Refreshments Will Be Served

Sponsored by the Office of Research and Economic Development

George A. Bekey is Professor Emeritus of Computer Science at the University of Southern California (USC) and a Research Scholar in Residence at Cal Poly. He has worked in robotics for about 30 years. He is the founder of the Robotics Research Laboratory at USC, author or co-author of over 250 published technical papers in robotics and several books, including Autonomous Robots (MIT Press, 2005). Jointly with colleagues in the Philosophy Department at Cal Poly, he edited and published a book entitled Robot Ethics, (MIT Press, 2012). In recent years he has become interested in myths and fairy tales and their psychological significance. He resides in Arroyo Grande with his wife, Shirley, and their dog, Amber.
BRAE NEWS AND EVENTS

CAL POLY’S FIRST EVER

STARTUP CAREER FAIR

FIND YOUR DREAM JOB

Brimming with the coolest startups, the Startup Career Fair is the go-to event for motivated Cal Poly students looking to earn more than just a salary and become a part of a growing enterprise where they can make a significant contribution.

NETWORK and connect with our budding community of innovative startups

SHOWCASE your skills to various startup founders & teams to land an interview

INTERVIEW with companies after 1 pm (by employer invitation)

WEDNESDAY, APRIL 15TH, 2015 | 10 AM - 1 PM
ADVANCED TECHNOLOGIES LAB (ATL) | BUILDING 7

SIGN UP FOR UPDATES:
bit.ly/CalPolyStartupCareerFair
BRAE NEWS AND EVENTS

Farmers Wanted!

Worldwide Opportunities on Organic Farms • USA

Part of a worldwide effort to link visitors with organic farmers, promote an educational exchange, and build a global community conscious of ecological farming practices.

Where: All 50 states, including Alaska, Hawaii, the US Virgin Islands and Puerto Rico.

What: A cultural and educational exchange focused on organic farming.

When: Year-round from a weekend to a full season, various opportunities are available on more than 1,900 host farms.

How: Sign-up online, become a WWOOF-USA member, receive access to the farm directory, and contact farms you are interested in visiting. WWOOFers generally spend half a day on a farm and receive room and board.

- Learn practical farming skills
- Participate in an agricultural exchange
- Travel and explore the US
- Experience life on organic farms
- Be part of the real food movement

www.wwoofusa.org
BRAE NEWS AND EVENTS

Student Supervisor Technicians After Hours
(Senior Projects, Club Work, and Instructor Approved Projects)

Monday
Garrett Crouder
Gian Ghiglieri

Tuesday
Matt Evers

Wednesdays
Andy Mancini

Thursdays
Mike Burlingame (Faculty)

Friday and Saturday
Tentative

Maximum of Ten Students per technician
Hours: 5-9pm

APRIL CALENDAR

Calendar coming next week! For more information visit the links listed below.

Dept Cal: https://connect.calpoly.edu/home/amaccarl@calpoly.edu/BRAE%20Department%20Events.html