Engineering and Systems Management Support for Agriculture
The Weekly Newsletter for the BioResource and Agriculture Engineering Department

Week 8~ February 24th, 2020

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Ian Reece is a 3rd year ASM student minoring in Ag Business. He is an active member of the Ag Engineering Society (AES) and is the Student Mechanized Branch Vice President as well as Barbecue Chairperson. He can often be seen fundraising for the club through catering events all throughout campus as well as at the weekly BRAE Barbecue. He also holds a job as a Student Assistant Technician for the Biology Department where he helps fabricate student projects and assist in facility and equipment maintenance. Over the summer, Ian worked for Wilbur-Ellis as a wine grape scout that inspected vineyards for pest and deficiency issues in the Sacramento-Stockton area. In his free time, Ian enjoys attending practices with the Club Wrestling Team, competing in intramural flag football for the AES team, being mistaken for Ian Flanders, spending time with his roommates, taking road-trips, and fly fishing.

Anthony is also a 3rd year BRAE major from San Carlos, CA. He can always be found around the shops as he works as a shop technician. Alongside his work, he is actively involved in the Tractor pull Team as well as AES. This year he is serving as the heavy equipment chair for Tractor Pull and ASABE Vice President for AES. This past summer Anthony interned with Granite Construction as a Project Engineer. At Granite, he oversaw the construction of a night job on the Facebook campus and the site work during the day on a Level10 building. He says that Granite was a great opportunity that gave him a lot of experience in the Construction Industry. In addition to working for Granite, Anthony traveled the state with the Tractor Pull Team and was fortunate enough to be able to drive Mustang Legacy twice.
Cal Poly AES
Agricultural Engineering Society

Who: Cal Poly BRAE & ASM Major Concentration (all majors welcome)

What: A professional club that promotes experience in industry as well as developing connections with industry professionals

When: March 4th, 2020

Where: BRAE Lab 1

Why: To give professional opportunities to Cal Poly students by allowing them to associate with industry professionals as well as another learning outlet to discover the variety of career paths they can take with their major

How: By being present and engaged, and enjoying a great BBQ!, Cal Poly Students will have access to more personalized information about their future within the Cal Poly BRAE Department as well as their career following college

AES Intramural Football
7:30 Feb 25th @Turf Fields
AES Career Fair 2020
Thank you to all that attended and a huge congratulations to those who earned a interview, internship, and even job offers!
Thanks for showing interest in PAAC!

Weekly General Meetings

Come find out what projects we’re working on this quarter!

Weekly meetings take place on **Thursdays at 11AM**, in **Building 8A Lab 4**.

As always, feel free to email **paac@calpoly.edu** with any questions.
BRAE is offering FREE Tutoring

Standard Tutoring Times:
Monday, Wed, Fri from 6pm to 9pm.
Tuesday-Thursday from 2pm to 5pm.
Saturday from 1pm to 5pm.

Additional times by appointment
I may not be on campus if nobody requested my presence as this is technically a 10 hour a week job (not 19), but will come immediately if you send an email or give a call. I have so many hours that I keep open because I want to help as many of you as possible. Its good to RSVP and let me know what you want to study and when. If the material is digital, send me a copy; if its a physical book, bring it with you.

Classes offered: Calculus, Physics, Statics, Statistics, Chemistry, Dynamics

CONTACT
My phone number is 559 940 5215 and will also work for Signal and WhatsApp.
My emails are jwoodrin@calpoly.edu and woodring.josh94@gmail.com

Josh Woodring
All CAFES clubs will be participating in FARM CITY NIGHTS presented by CAFES Council at the San Luis Obispo Farmers Market on January 16th. Reach out to your club representative to get involved with FARM CITY NIGHTS.
Internship and Employment Opportunities

ASM and BRAE students and graduates are in high demand!

Check out [www.brae.calpoly.edu/students/employment](http://www.brae.calpoly.edu/students/employment) for even more postings!

Career Services can help you explore career options, prepare for your internship/job search, connect with employers, and more! Please visit their website for information on the services and resources they provide.

The **2020 Aspire to Grow Conference** explores innovation in the food and agriculture sectors. The symposium will focus on new technologies and developments, and the role diversity of thought and experience plays in achieving these. Hear from speakers from Amazon, Dole Fresh Vegetables, Purina Animal Nutrition, Corteva Agriscience, and more.

**Wednesday, March 4, 2020, 4:30 p.m.**
Cal Poly Performing Arts Center
Reception to follow

Project Engineer Employment Opportunity

Job Title: Project Engineer
Company: Semitropic Water Storage District
Location: Wasco, CA

Application Filing Period: Position will remain open until filled; the recruitment will close once sufficient number of qualified applications are received.

Salary Range: $5500 to $6600/month, commensurate with experience

How to Apply: Interested candidates should submit a cover letter and resume via email to mail@semitropic.com or mail to Semitropic Water Storage District, Attention: District Engineer, Post Office Box 8043, Wasco, CA 93280

The Semitropic Water Storage District (District) is responsible for the importation and delivery of surface water to our agricultural lands to reduce the demand upon the local groundwater basin. In addition to the delivery of surface water, the District operates a water banking program which stores available surface waters within the District for recovery to our banking partners when needed.

The District is seeking applicants for a Project Engineer position. The Project Engineer assists with planning and managing the District’s water distribution and banking activities, and provides administrative support to the Engineering Department.

Completion of a Bachelor of Science Degree in Agricultural or Civil Engineering is required.

Generous benefits package, including health, dental, and vision benefits, flexible spending account, retirement plan with District contributing 10% of the employees regular salary, vacation and sick leave and observance of eight holidays, plus one floating holiday; salary dependent upon qualifications.

Definition/Summary

Under the direction of the District Engineer, assists with the District's engineering activities and services. Assists with coordinating and implementing studies, grants and programs related to irrigation district services and banking activities. Performs a variety of engineering field and office duties, may manage contractors and consultants for specific tasks; serve as project engineer for public works projects; advise operations and maintenance staff on engineering matters; and draft reports for supervisory review including hydrologic, environmental, engineering, and feasibility reports.
Agriculture Technology Internship in the Santa Maria Area

GeoVisual Analytics is changing the way fresh produce is grown. Monitoring fields with drones, mobile devices and in-field sensors, we’re applying our NASA-funded AI research to analyze crop maturity and health and predict yields, helping farmers be more sustainable and increase their profits.

GeoVisual is looking for a motivated intern to help us collect crop information from the field in coordination with our field operations team. This in-field crop information is critical for the success of our yield predictions, so your attention to detail and an ability to follow a methodical, systematic approach is paramount. You will be traveling to specified fields in the Santa Maria area to collect samples, coordinating the timing with other team members and working around the spontaneous changes that happen from time to time in the world of farming. To be successful, you’ll combine your detail-oriented attitude with a joy of working outside and a passion for helping agriculture become more technically advanced and environmentally sustainable.

How you’ll spend your time:

- Following a data collection plan and coordinating with other GeoVisual team members
- Driving to and between fields to collect measurements 1 to 2 days per week
- Logging and maintaining all collected data in a Google spreadsheet
- Performing all tasks in a safe and repeatable manner
- Conducting yourself with our clients in a professional and courteous manner

What you have to offer:

- Currently enrolled in an undergraduate program, preferably in a field of science or technology; ideally with an agriculture focus as well
- Your own vehicle, a valid driver’s license and insurance
- Demonstrated computer skills, including Google Sheets and Docs
- A team player attitude and a passion for excellence
- Possible interest in continuing with GeoVisual as a full-time employee after graduation

What we can offer you:

- $15/hour with some flexibility of how much and when you work, 6-10 hours per week
- Mentoring, professional guidance, and an opportunity to work with cutting-edge technology for the agriculture industry and to help develop something incredible with other smart, hardworking people

Please send us your resume and a brief email cover letter to internship@geovisual-analytics.com.
CAFES – Student Experimental Farm
Student Manager
Starting pay: $18 per hour
Job Description:
The College of Agriculture, Food and Environmental Sciences (CAFES) seeks to fill a part-time Student Manager position for the Student Experimental Farm. The Student Manager will directly report to the Director of the CAFES Sustainability Center and the Director of the Agricultural Operations (Position Facilitators). Additionally, this position will provide input to the SEF Advisory Committee on a quarterly basis. This position will be required to follow direction from CFS Director and Ag Ops Director to execute all tasks assigned, and take on a level of management or entirely manage specific components of the SEF. The position will execute all SEF tasks on a day to day basis, and will serve in a supporting role to students, staff and faculty conducting projects and/or research at the SEF. The SEF has three primary goals: provide a place for educational exploration; provide research and hands-on educational experiences to Cal Poly students, faculty, the agricultural industry and community; and demonstrate working agricultural systems in coastal California climates. The SEF Student Manager will play a critical role in achieving these goals on the ground, and assist the SEF Advisory Committee in maintaining a productive farm that serves these goals to the highest capacity.

Position Responsibilities:
- Be able to work 10 to 20 hours per week during the Fall, Winter and Spring quarters.
- Provide day to day maintenance to the SEF (infrastructure, weed control, cleaning and organizing storage areas, irrigation, equipment, hand tools, etc.)
- Be able to attend food safety training classes for specific levels of certification, record keeping, etc.
- Collect student/class project proposals and submit to position facilitators.
- Provide assistance to student clubs conducting project work at the SEF.
- Provide assistance to faculty conducting research at the SEF.
- Meet weekly with the position Facilitators to develop action plans.
- Provide a quarterly report to the Advisory Committee on all activities, projects, etc. pertaining to the SEF.
- Perform other job-related duties and special projects as assigned.

Position minimum qualifications:
- Must be at a sophomore academic level or higher at Cal Poly
- Ability to move/lift equipment and supplies up to 50 lbs.
- Must be able to work outside under different weather conditions
- Experience operating power tools, power equipment and hand tools for maintaining the SEF.

Preferred qualifications:
- Be able to work full time (40 hours per week) during the Summer break for the SEF and/or the Ag Operations Department.
- 2 years or more of the following experience: farming, gardening, landscape maintenance or related areas of experience.
- Graduate level student
- Experience operating tractors and farming implements

Applicants are to submit by email the following:
- Resume to include 3 references on your resume
- Cover letter

Please email resume and cover letter to BOTH (in one email, please):
Hunter Francis, Director – Center for Sustainability, wfrancis@calpoly.edu
Kevin Piper, Director – Agricultural Operations Department, klpiper@calpoly.edu

Application reviews begin on February 26, 2020
Position to remain open until filled
WWOOF - WORLDWIDE OPPORTUNITIES ON ORGANIC FARMS
Connecting you to organic farms across the USA.

What is WWOOF USA?

WWOOF™ USA links you to 2007 active organic farmers and growers and 13499 WWOOFers in the USA.

WWOOF™ USA is part of the Federation of WWOOF Organizations®, a worldwide community that promotes awareness of ecological farming practices by providing visitors with the opportunity to live and learn on organic properties.

WWOOF™ was founded in 1971 is one of the world’s first ecotourism organizations. WWOOF now exists in 132 countries (and growing) around the world. WWOOF™ USA was founded in 2001. To WWOOF elsewhere please visit the Federation of WWOOF Organizations®.

WWOOF Mission Statement

Worldwide Opportunities on Organic Farms, USA (WWOOF™ USA) is 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. Learn more

https://wwoofusa.org
Technical Services Supervisor

Status: Full Time Exempt

Department: Logistics

Job Summary: Schedule and dispatch a team of Technicians for repairs and maintenance of petroleum equipment at JB Dewar facilities and customer locations. Responsible for performance management, job prioritization, technical certifications for personnel, inventory management, financial accountability within the department, and communication across all departments at JB Dewar, Inc.

Qualifications:
- Automotive/truck service writer background a plus
- Clean DMV report
- Must maintain a valid class C or better driver's license and will be required to obtain HazMat Endorsement
- Minimum of two years supervisory experience
- At least two years hands on experience in the electrical, mechanical or plumbing field
- Current or expired forklift operation certification

Essential Physical Functions:
- Frequent standing, sitting, bending, lifting, hand and finger movements associated with typing, 10 key and telephone operations.
- Able to lift and/or move 50 lbs
- May be required to work from heights, at times from ladders and other types of platforms

FOR MORE INFORMATION: https://www.indeed.com/viewjob?from=appshareios%2CiaBackPress&jk=0c5171fe80b0645d

Maintenance Service Technician I

Status: Full Time Exempt

Department: Logistics

Primary Purpose of the Position:
Under general supervision, perform basic maintenance, troubleshooting, and repairs to fuel, oil, and air delivery systems in various industries, on JB Dewar Inc. owned equipment and facilities.

Essential Skills & Responsibilities:
- Cleaning interior and exterior of petroleum tanks. Wire wheel/sand down exterior surfaces and apply fresh coat of primer/paint as needed
- General knowledge of pump systems. (i.e. lube and fuel pumps, meters, oil controls desirable)
- Must have good knowledge of mechanics and mechanical skills
- General electrical and plumbing knowledge
- Must be able to manage time and work with minimal supervision
- Keep accurate time and material records
- Must be able to use e-mail
- Keep JB Dewar maintenance vehicle clean and stocked with agreed upon inventory
- Needs good communication skills
- Valid Class C or better California Driver’s License with a clean driving record to operate company provided vehicle. Will be required to obtain Hazardous Materials Endorsement within the first 90 days of employment

Salary: $20.00 to $23.00 /hour

FOR MORE INFORMATION: https://www.indeed.com/viewjob?cmp=JB-Dewar,-Inc.&t=Maintenance+Service+Technician&jk=64cff1f5fe38e498&q=dewar&vjs=3