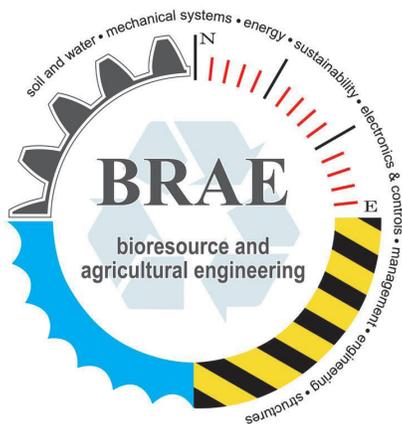


THE BRAE WEEKLY

The Weekly Newsletter for the BioResource & Agricultural Engineering Department



WEEK 5~ May 4th, 2017

RSVP for the BRAE/AES End of the Year Banquet Deadline: THIS FRIDAY

\$30 for Students

\$35 for Non-Students

Steak, Chicken, Vegetarian Options

May 19th: Social Hour at 5PM with Dinner at 6PM

BRAE Student graces
the Stage as
FFA State Officer
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Recognition, Open
House, and Job Postings
Page 4-8

BRAE Freshman Elected to the California FFA State Officer Team

FFA is an organization recognized across the United States, especially here at Cal Poly within the College of Agriculture, Food and Environmental Sciences. FFA is not just for students who want to be production farmers, it also welcomes members who aspire to careers as teachers, doctors, scientists, business owners and more. FFA is an intracurricular student organization for those interested in agriculture and leadership. The Mustang Family has hosted several California State officers over the past years.

Freshman BioResource and Agricultural Engineering major Armando Nevarez was elected April 24 in front of more than 7,000 people in Fresno to the position of Treasurer of the California FFA State Officer Team. Nevarez will serve alongside five colleagues in 2017-18, traveling the state and representing the organization to varying chapters.

Nevarez is a first-generation college student from Holtville, California and will take a year away from Cal Poly to serve in office. “I am most excited to connect to the chapters across California,” Nevarez said, “each is so unique, I want to help break them out of their bubbles to be the best organization we can be.” The state has more than 300 high school FFA chapters and more than 700 FFA advisers and agriculture teachers.

Nevarez first joined the Holtville High School FFA Chapter as a freshman, but was not sold on the program. “I thought it was kind of like a cult at first,” he joked, “the opening and closing ceremonies kind of weirded me out.” But looking for a small grade boost in his agricultural mechanic classes, Nevarez began competing in the Green Hand contest. With first place prizes in the first three competitions, he was intrigued.

“My freshman year, I was allowed to go to state conference in Fresno, but I had no idea how big of a deal it was. I did not expect such amazing speakers specifically the state officers. There were so many amazing projects and awards showcased. I went to workshops and started making friends. They were all such great opportunities it made me want to get more involved.”

As a sophomore, Nevarez became an officer in his chapter then section secretary for the next two years. But the highlight of his high school FFA career came senior year. “I was asked to start coaching the Creed and Farm



Photo Courtesy of California FFA Facebook

Green Hand Teams. Both made up of younger members,” Nevarez said, “I realized as the year went on how much agricultural education meant to me. I had already applied to the Cal Poly BRAE Department with my love of engineering, but I realized I wanted to add an Agricultural Education minor.”

Nevarez now looks forward to returning to Cal Poly to specialize in agricultural mechanics to be the “best ag teacher in the state of California.”

High school seniors and college freshman had the opportunity to apply for the state officer team. Nevarez and the team will help make decisions that govern the state chapters and design and implement the Made for Excellence and Advanced Leadership Conferences held to inspire agricultural students for future career opportunities. Nevarez will be joined by San Luis Obispo High School alumni Luke O’Leary (President), now a freshman at Texas A&M, Jasmine Flores (Vice President), Genevieve Regli (Secretary), Hunter Andrade (Reporter), and Robert Marchy (Sentinel).



Photo Courtesy of California FFA Facebook

March & April Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	1	2 PAAC Meeting 6:10-7:50 8-122	3	4 AES BBQ 11AM-12PM @BRAE RAMP	5 Last Day to Register for AES Banquet	6 FFA State Finals
7	8	9 PAAC Meeting 6:10-7:50 8-122	10	11 AES BBQ 11AM-12PM @BRAE RAMP	12	13
7	8	9 PAAC Meeting 6:10-7:50 8-122	10	11 AES BBQ 11AM-12PM @BRAE RAMP	12	13
14	15	16 PAAC Meeting 6:10-7:50 8-122	17	18 AES BBQ 11AM-12PM @BRAE RAMP	19	20
21	22	23 PAAC Meeting 6:10-7:50 8-122	24	25 AES BBQ 11AM-12PM @BRAE RAMP	26	27

The Agricultural Engineering Society

cordially invites you to our annual

AES BANQUET

to recognize the accomplishments of students,
faculty, and staff in the BRAE Department

May 19, 2017

{ Social Hour at 5 PM }
{ Dinner at 6 PM }

-at-

Courtyard by Marriott
1605 Calle Joaquin Road
San Luis Obispo, CA 93405
805-786-4200

Catered Dinner: Choice of New York Strip, Chicken Marsala, Vegetarian, or Vegan dish. All dinners are served with Roasted Red Potatoes, Asparagus, and Garlic Bread. Cash Bar available.

Please RSVP by May 5, 2017 at Bldg. 8-101

Student: \$30 Guest: \$35

Direct any questions towards Vicky Duran, AES Vice President eduran01@calpoly.edu

Spring Week 5

Sustainability Task Force is a group seeking to enhance Cal Poly's EWB Chapter through working on projects related to social, economic, cross-generational and environmental sustainability. We want to ensure that our chapter is fulfilling its purpose of "equipping leaders to solve some of the world's most pressing challenges". The STF meets at 6pm every Monday in Building 10, room 227 (Local Project Room).

Project Meetings are every Monday at 7pm!

Here are the team room locations:

India/FIJI: B10 -0111

Local Projects: B10 -0227

Thailand: B33 -0287

Nicaragua: B53 -0215

Malawi: B180 -0107

IMPACT meets every Tuesday at 6:30 pm at one of the Library 2nd floor fishbowls. Come by if you want to make a difference locally by volunteering in SLO!

Join EWB Cal Poly at Spring Banquet on May 5th from 7-9 PM to celebrate the year, spend time with your EWB pals, and enjoy delicious Italian food! Tickets can be found [here](#) or purchased at the project meetings this Monday night for \$20. Sales run until this Monday (May 1st)!

Alumni Weekend is here! Contact an officer if you would like to attend. Here is the list of events coming up:

Saturday, May 6

- Coffee, Donuts, and Conversation - 480 Buchon St - 10:30-12:30pm

Slo Do Co catered donuts and coffee will be served while alumni and students share stories about present and past projects and experiences.

- Brewery Crawl - Meet at PAC Circle - 3:00-6:00pm: Traveling to a few local breweries to enjoy some great local beer, and possibly a tour or two if there is a brewmaster available.

- Game Night - Location TBD - 9:00pm: Play cards, board games, charades, and hang out after the brewery tour.

Sunday, May 7

- Beach Day - Pismo Beach - 1:00pm-4:00pm

Meet us at Pismo Beach for an afternoon of games and relaxation. Find us to the left of the pier by the volleyball courts!

-Civil Engineering Associates Intern Opportunity

Company: Civil Engineering Associates. CEA is a general civil firm that provides consulting services to land development clients primarily for multi-family residential, single-family residential, mixed-use, and apartment developments. Our responsibilities range over the whole project life span, from initial planning and entitlement to preparation of design documents, and ultimately to construction administration and surveying.

Location: San Jose, 5 minutes north of downtown

Job Description: Engineering intern working directly with project managers on a variety of civil engineering tasks.

You will have the opportunity to test your wit in the design of components for real projects including: storm water management, utility design and grading. You will also provide important support to our field operations by analyzing data, performing quality control checks, and interacting with contractors.

Ideal Candidate: Motivated individual with solid engineering fundamentals, good communication skills, and an ability to work in a fast-paced dynamic environment. Former AutoCAD Civil 3D experience is a plus, but not a necessity.

Getting in Touch: Contact Graham Goodwin directly at ggoodwin@ceainc.net or by phone at 408-453-1066.

J.G. Boswell Company

Job Title: Tomato Harvest Intern	Job Code:
Department: Equipment (Don Hatfield)	Job Grade:
Revision Date: March 27, 2017	Job Pay: \$15.00



Position Overview

This Internship is to assist tomato harvest supervisors with ticket and yield computer operations.

This position is temporary and the company commitment ends the last day of tomato harvest. Housing may be available.

Job Functions (training available)

- Evaluate, diagnose and repair computer systems.
- Evaluate, diagnose and repair RFID equipment.
- Communicate on radio and phone.
- Report status of harvester computer functions to supervisors.
- Instruct others in proper operation of computer.
- Install hardware and software supplied by Boswell.
- Work with Web-based software.
- Evaluate, diagnose and repair GPS equipment.
-

Non-essential Job Functions

- Bi-lingual
- Experience with GPS guidance programs.
-
-

Requirements

- Valid California drivers' license with fewer than 2 points and no DUI.
- Able to work weekends or nights if needed.
- Able to work out of Bakersfield hotel.
- Basic computer skills.
- Self starter and time management skills.
-

NOTE: This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the ongoing needs of the organization.

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Only the Finest Berries[™]

Research Associate I - Substrate in Oxnard, CA

Job Summary

The Research Associate will support the Farm Manager in Oxnard with substrate growing operations and trials among breeding substrate. The Research Associate will be responsible for all aspects for growing excellent breeding plants used in the varietal selection process by breeders from start to finish. This position will be focused on the complex structure of substrate growing and control.

Qualifications

- Bachelor's Degree in Agronomy, Ag Systems Management, Horticulture, Greenhouse Management, or Crop Sciences.
- 1-3 years of experience is desired.
- Demonstrated planning experience and working knowledge of farm infrastructure.
- Strong foundation in production agriculture and agronomic sciences.
- Knowledge of complex irrigation systems preferred.
- An understanding of and experience with greenhouse production is advantageous.
- Ability to work in the field, office and corporate settings, including the ability to perform, repetitive, physical work as necessary.
- Ability to manage assets, including equipment, labor.
- Pesticide applicators' license, PCA license preferred.
- Bilingual (English/Spanish) fluency preferred.
- Experience with research protocols; and knowledge of plant physiology, health and pest pressure assessment, knowledge of soils/water and agricultural practices.
- Proficiency with computer programs (Excel, PowerPoint, Word, Outlook)
- Mechanical knowledge and agricultural tools expertise.
- Self-starter, hands-on, ability to work independently and work well with teams.
- Detail-oriented, effective verbal and written skills, good organizational, math, chemistry and analytical ability.
- California Driver's license and the ability to be covered under company-sponsored vehicle insurance program are also required.

Responsibilities

- Substrate growing for breeding/ selection purposes.
- Coordinate set-up and take down of all substrate growing for all commodities including material orders etc.
- Regular field walks to ensure pests and diseases are being managed, plants are healthy and all growing is being done to the upmost quality.
- Ensure proper watering and fertility is being executed every day with complex computer based injection systems.

- Ability to work well with all supervisors and employees at a ranch level.
- Design expansion layouts for substrate installations in coordination with Farm Manager.
- Collaboration with breeding staff to ensure plants are being grown to breeding standards.
- Aid other researchers in carrying out important plant trials including data collection.
- Occasionally help design and perform farm trials to improve our internal processes.
- Proper maintenance schedule of fertility equipment along with daily visual checks.
- Supervise an intern or technician to aid in irrigation maintenance and lysimeter water quality data collection.
- Follow operating budgets by purchasing, tracking, and coding farming expenses. Understand and provide support if needed in the planning processes.
- Ensure the security of Driscoll's confidential and proprietary information and materials.

Contact: James.duBois@driscolls.com; Michael.Christensen@driscolls.com

www.driscolls.com/about/careers/hiring-process

**Interested in more jobs and
internships?**

Keep a close eye on

**[www.brae.calpoly.edu/students/
employment](http://www.brae.calpoly.edu/students/employment)**