<table>
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<tr>
<th>Sunday</th>
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<td>AES Barbecue BRAE Ramp 11-12</td>
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<td>BRAE Banquet Workshop BRAE Labs 9am</td>
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<td>5pm-6pm</td>
<td>AES General Meeting 6pm BRAE Lab 1</td>
<td>AES Barbecue BRAE Ramp 11-12</td>
<td>AES Career Fair 2020</td>
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<td>World AG Expo Cal Poly Day</td>
<td>AES Barbecue BRAE Ramp 11-12</td>
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<td>5pm-6pm</td>
<td>CAFES Council 5pm-6pm</td>
<td>AES Barbecue BRAE Ramp 11-12</td>
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Luis Villanueva

Luis Villanueva is a second year BRAE student from Davis, CA. He is involved within the department in clubs such as AES, Tractor Pull, and 1/4 Scale Tractor Student Design. He serves as the President of Construction for 1/4 Scale, Bleachers and Stairs Committee Chair for the Tractor Pull Club, and holds an officer position for AES. Apart from being AES’s ASABE CAFES Student Council representative, he was recently elected as the treasurer for the CA/NV ASABE Section.

Over this past summer, Luis attained an internship with the Yolo County Flood Control and Water Conservation District working alongside two past BRAE department graduates. Here Luis traveled within Yolo County as well as surrounding counties working on SCADA projects and recording flow measurements on pumps and canals. In addition to working for the water district he traveled with the Tractor Pull Team throughout the state and earned the opportunity to drive Mustang Legacy, one of the Tractor Pull tractors (featured in the picture in the left hand corner) for first time.
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:** Next Monthly Meeting: February 5th, 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 Jan 28th
@Turf Fields
AES
Career Fair 2020
Current Company List & Growing

Wonderful Pistachios & Almonds
E. & J. Gallo Winery
AIM
Lyles Utility Construction LLC
Goodfellow Bros.
HCL Machine Works, INC.
USDA Natural Resources Conservation
Service
Ochard Machinery Corporation
Semitropic Water Storage District
Teach Ag California
Andros Engineering
Hartman Engineering
Baloian Farms
Heinzen
4 Creeks
Pacific Ag Rentals
GEI Consultants
Sensient Natural Ingredients LLC

Stockton East Water District
Granite Construction
Speedling Nurseries
Willitts Pump
YCFCWCD
Topcon
Nichols Farms
Preston Pipelines
Priva
GeoVisual Analytics
Fresno Irrigation District
IDC Precision Irrigation
Guntert & Zimmerman
Cal Portland
Cannon
Peace Corps
Kiewit
U.S. Irrigation
JG Boswell
BRAE BANQUET Workshop

Feb 1st, 9am
BRAE Labs

Join AES in fabricating Auction Items for the 2020 BRAE Banquet. At the workshop students will have free reign to design and fabricate projects to be auctioned as a fundraiser for the club!
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
Innovation Quest 2020

Calling ALL Cal Poly Innovators! It’s time to shift into gear for Innovation Quest 2020. Perfect your craft, bring your inventions out of the lab and into the market, and demonstrate the hustle, creativity and prototyping that define the CIE’s Innovation Quest Competition. At the end of the road awaits thousands of dollars in prizes to help you take your innovation to the next level.

*1st Info Session
Thursday, Nov. 14

*2nd Info Session
Tuesday, Jan. 28

*3rd Info Session
Thursday, March 5

*All meetings at 6 p.m.
Bldg. 2, Room 210

Apply by Friday, March 20 @ 11:59 p.m. @ http://bit.ly/iQ2020
# 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.

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## What’s Happening in CAREER SERVICES WINTER 2019

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>1/28: Resume &amp; Cover Letter Office Hours</td>
<td>Jan 21, 2020 12:00 AM</td>
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<tr>
<td>Drop by the second floor of the library anytime between 6:00 - 7:00 PM to have your resume or cover letter reviewed by Career Services!</td>
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<tr>
<td>1/28: Job/Internship Search Lab</td>
<td>Jan 21, 2020 12:00 AM</td>
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<tr>
<td>Are you ready to start searching for a great job or internship? Do you have ideas, but aren't sure where to start? We're here to help!</td>
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<tr>
<td>1/28: Making the Most of the CM Career Fair</td>
<td>Jan 21, 2020 12:00 AM</td>
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<tr>
<td>This workshop will help you be more confident by sharing what to do before, during and after the CM Career Fair to be a standout candidate.</td>
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<tr>
<td>1/27: Construction Management Resume Drop-in</td>
<td>Jan 20, 2020 12:00 AM</td>
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<tr>
<td>Ever wonder what employers look for in resumes and and how you can stand out from other applicants?</td>
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<tr>
<td>1/24: Graphic Communication Winter Career Day</td>
<td>Jan 17, 2020 12:00 AM</td>
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<td>This is a great opportunity to network with and interview with employers hiring Cal Poly students experienced in various artistic mediums.</td>
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<tr>
<td>1/23: Cal Poly 2020 Winter Career Fair - Day 2</td>
<td>Jan 16, 2020 12:00 AM</td>
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<td>Whether you are in your first year and want to explore how it all works, or you are about to graduate &amp; need a full time position, this event is for you</td>
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<tr>
<td>1/22: Siemens Information Session</td>
<td>Jan 15, 2020 12:00 AM</td>
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<tr>
<td>Attend this session to learn more about career opportunities with industrial manufacturing company, Siemens.</td>
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<tr>
<td>1/22: 2020 Student-Employer Diversity Mixer</td>
<td>Jan 15, 2020 12:00 AM</td>
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<tr>
<td>This event offers students from diverse and underrepresented backgrounds the chance to connect with employers!</td>
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</table>
Join our Agriculture, Construction, or Positioning Team

topconpositioning.com/internship
topconcareers@topcon.com
Build Your Career

Our interns are the future of Topcon! Interns are mentored by the most talented in the industry. Network with executives, directors, managers and other Topcon employees. We have unique opportunities for the brightest and most talented undergrad and graduate students who are enterprising and take charge of their career path. If you are open to new ideas and embrace Topcon’s values of passion, ownership, unity, and achievement then we want to hear from you!

About Topcon

Topcon’s construction business provides world leading, highly advanced positioning products by incorporating innovative technologies such as leading-edge GPS, laser and image analysis technologies based on the optical technology Topcon has fostered since its beginning.

Topcon’s positioning business is globally expanding high-precision GNSS (Global Navigation Satellite Systems) business, including GNSS surveying, machine control and precision agriculture.

Topcon’s precision agriculture business solutions help farming industry businesses connect their business operations in real time for data-driven profitability and sustainability, by providing cutting-edge technology and products.

Career and Internship Opportunities

Topcon has openings in the following disciplines:

- Agriculture Engineering
- Civil Engineering
- Computer Science
- Construction
- Geomatics
- GNSS Technology
- Industrial Engineering
- Information Technology
- Mechanical Engineering
- Precision Agriculture
- Surveying

To Learn More

Meet with Topcon Representatives at the BRAE Career Fair!

February 6, 2020 at the Cal Poly Farm Shop

topconpositioning.com/internship
Job Title: Winegrowing Internship Program 2020 (6 months)

Requisition ID 61742 - Posted 12/04/2019 - Modesto, CA

Why E. & J. Gallo Winery?
Named a Glassdoor "Best Places to Work" three years in row, we couldn't be prouder of our company culture. As the largest family-owned winery in the world with over 100+ unique wine and spirits brands, our products are synonymous with life’s special occasions. Come celebrate with us! Your Talent & Gallo | A Perfect Pairing

Interview Process and Timing
Submit an application to be considered for the program.
Once your application is received, you will get a survey link from HR to tell us your placement preferences, based on the areas outlined below. If you are considered, HR will schedule an interview.
If selected for the program, you will receive an offer.
Offer and placement will be based on your preferences, our assessment of where your skills will make you most successful, and business need.

Winegrowing Internship Program – STEM & Agriculture Majors
Imagine what you could do with the industry's most innovative grape growing practices and winemaking technologies at your disposal, while learning first-hand how high quality wines and spirits are produced. Interns work cross-functionally to support the research projects and production practices required to produce nearly 100 million cases of wines and spirits. It won’t take long for you to see our passion and expertise for winegrowing, or to experience our culture where innovation and continuous improvement are highly valued. For nearly a century our winegrowing team has walked vineyards, made award winning wines, and advanced cutting-edge technologies, establishing E&J Gallo as the world’s leader in wine and spirit innovation.

Internship Program Overview
Our internship program provides students interested in grape and wine production and research the opportunity to spend five to six months working alongside seasoned professionals at one of our many California production sites. Most internships overlap with our grape harvesting efforts, early/mid-summer through late fall, which provide a fruitful experience for learning and developing. Interns support critical harvest efforts as well as complete and present a project to our Winegrowing Leadership team. Ten different internship opportunities are available in Research, Grape Production, Grower Relations, Winemaking and Spiritsmaking (more details on specific opportunities provided below).

What You Need
Minimum Qualifications
• High school diploma or State-issued equivalency certificate.
• Currently enrolled at a college or university and working towards a Bachelor’s degree or Master’s degree in the school of Life Sciences, Agricultural Sciences, or Engineering.
• Strong applied technical skills and analytical problem-solving skills.
• Good oral and written communication skills.
• Candidates for this position must have a valid driver’s license and a safe driving record. Required to obtain a California driver’s license or appropriate state driver’s license within 30 days of hire.
• Reliable transportation to and from work.
• Required to lift and move up to 40 lbs. when necessary.
• Required to work at heights of 50 feet, on tops of tanks inspecting wine surfaces when necessary.
• Required to be 21 years of age.
• The position requires availability to work evenings, weekends and holidays when necessary.

Preferred Qualifications
• Junior or Senior class standing at a college or university and working towards a Bachelor’s degree in the school of Life Sciences, Agricultural Sciences, or Engineering.
• Excellent organizational and team skills and experience managing multiple assignments.
• Comfortable in a manufacturing environment.
• Mechanical inclination and an aptitude for design of equipment and manufacturing processes.

Physical Demands and Work Environment
• Inside/Outside conditions: During crush, work estimated at least 50% (but not limited to) outside with weather of varying types.
• Must be able to lift and carry 40 pounds.
• Wet/Slippery conditions vary and may include work in rain.
• Noise levels may vary. Occasional situations where ear protection is required.

*Gallo does not sponsor for employment based visas for this position now or in the future.

For full internship description, visit https://brae.calpoly.edu/students/employment