Congratulations to Alicia Swanson for receiving the Joe and Florence Silva Memorial Scholarship!
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BRAE Student of the Week

JACOB CORBIN

Jacob Corbin is a Junior Transfer student majoring in BRAE. Jacob has not wasted one moment in the BRAE department thus far. He has been working with Nate Tjepkema in the Grow Crew club on an automated nutrient monitoring system. He has also been volunteering time with Fletcher Easton, a software engineering major and research assistant for Dr. Liu. He has helped him with some basic tasks on the robot in BRAE lab 4, including wiring up some UV lights on the robot chassis and disassembled and remounted the drive system for the robot. Jacob said, “I’m pretty new to all this stuff so having Nate and Fletcher show me some things has been really great”.

In Precision Agriculture and Automation club he is working on building sumo robots. Jacob said that he recently got the ultrasonic distance measuring system that is going to orient his robot up and running. Now he needs to design the chassis, assemble the robot, and write some code to run it! He has also been working on a proposal for the Baker Koob endowment to try and get some funding to work on a soft robots project. The idea was proposed by Dr. Liu and has lots of open source information available at softroboticstoolkit.com. The intent is to create a soft gripper for automated berry harvesting.

Outside of the Department, Jacob is subscribed to the Real Food Collaborative CSA and get a box of produce from them every other week. It’s sourced from the different farms and orchards on campus. Jacob says that he cooks all the time. Two weeks ago CSA had extra tomatoes and he made a gallon of tomato sauce. He says he almost always has a huge green cooler full of food to eat throughout the day. He simply enjoys eating well. He also spend lots of time outside. He enjoys trail running and mountain biking in Poly Canyon and doing various hikes around town. He says, “I make sure to get outside as much as possible, need to get away from the desk to keep my mind solid”. So much to do and so little time with the quarter quickly coming to an end.
2019 MCAA ASHRAE COMPETITION

COMPETE FOR THE 2019 MAC AWARD AND CASH PRIZES!

NOV 16-17, 2019
CAL POLY,
SAN LUIS OBISPO

Join us November 15th for a student mixer!

Project will consist of designing an indoor plant grow room. Students will apply HVAC design concepts to control the grow room environment while optimizing energy usage through equipment selection and using renewable energy sources to achieve NET-ZERO
CAFES Research Seminar Series

Fall Quarter 2019

Please join CAFES for our Research Seminar Series ~ Fridays this Fall Pizza will be served!

Erhart Agriculture Bldg. 10, Room 206 12:10 - 1:00 p.m.

- Physiological Reaction to Odorants: Carmen Licon, Dept. of Food Science and Nutrition, Fresno State (09/27)
- Dairy Waste Management Research: Tryg Lundquist, Dept. of Civil and Environmental Engineering, Cal Poly, SLO (10/4)
- Food Rheology: The Scientific Smushing of Food: Helen Joyner, Dept. of Food Science and Nutrition, Univ. of Idaho (10/11)
- Water and Weather Issues for Central Coast Agriculture: Mark Battany, UC Cooperative Extension (10/18)
- Disentangling the Local and Landscape Determinants of Pests and Pesticides: Ashley Larsen, Bren School of Environmental Science and Management, UCSB (10/25)
- Exploring the Ecological Impacts of a Novel Land Use: Utility Scale Solar Fields: Seeta Sistla, NRES, Cal Poly, SLO (11/1)
- Location TBA
- 2018 Annual Crop Statistics for SLO County: Martin Settevendemie, Agricultural Commissioner, SLO County (11/8)
- Grazing Behavior and Physical Activity Influences on Metabolism and Performance: Zach McFarlane, ASCI, Cal Poly, SLO (11/22)
- Temporal Changes in the Soil Microbiome in Response to Soil Fumigants: Shashika Hewavitharana, HCS & Strawberry Center, Cal Poly, SLO (12/6)

For questions, please call Marnie Perry at 805 756 2161
What is BEACoN Research Mentoring?

BEACoN Research Mentoring is a program funded by the Office of University Diversity and Inclusion that allows underrepresented students and professors to connect and work together with common interest. This is a competitive program in which selected students work with Cal Poly faculty during winter and spring quarters and receive a $1500 stipend for approximately 100 hours of work each quarter. Funding incentivizes participation in our program by our top faculty researchers on campus, and also enables lower socioeconomic students to participate. Importantly, in addition to providing students with research opportunities, faculty members provide their student with mentoring and professional development advice to facilitate their success at Cal Poly and beyond.

Starting October 28th, descriptions of the projects and mentors will be available at: beaconmentors.calpoly.edu/faculty-research-projects

How do you apply?

Apply online at tinyurl.com/BEACoNStudentResearch2019 or with the QR code below.

DEADLINE: Tuesday, November 12th at midnight
San Luis Obispo County Farm Bureau Young Farmers & Ranchers is back!

Please join us on **November 7th at 5:30pm** for the San Luis Obispo County Young Farmers & Ranchers kickoff meeting at the Farm Bureau office (4875 Morabito Place in San Luis Obispo).

Have dinner on us, and network with local young professionals and agriculture students from Cuesta College and Cal Poly. We’ll talk about opportunities to get involved with YF&R at the local, state and national level that will increase your knowledge of farming and ranching policy issues, connect you with industry leaders, and prepare you for a successful career in agriculture.

Please RSVP on our Facebook event (www.facebook.com/SLOCountyFarmBureau/) event to help get a count for dinner. If you can’t make this meeting, but still want to be involved, send an email to SLO County Farm Bureau Executive Director Brent Burchett at bburchett@slofarmbureau.org YF&R will meet quarterly in 2020, with activities in between.

**About YF&R**
Young Farmers & Ranchers are active agriculturists between the ages of 18 and 35 and involved in crop production, ranching, banking, business, and other industry areas.

Founded in 1947, YF&R facilitates professional development and social networking opportunities among young farmers, ranchers and people who work in agriculture-related jobs. YF&R is an opportunity for passionate agriculturists to connect with individuals who have the same professional interests and challenges.

The Young Farmers and Ranchers Program is a committee of the California Farm Bureau Federation and the San Luis Obispo County Farm Bureau.
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 Meeting: November 6th, 6pm-8pm  JM Smuckers will be speaking!

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
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**

**FALL 2019**

**11/8: Creating & Enhancing Your LinkedIn Profile - Industry Insider**
Whether you are just getting started on LinkedIn or have been using it for a while, this workshop offers something for you.

Nov 1, 2019
12:00 AM

**11/7: Exploring Your Values in Leadership and Career**
Join the Center for Leadership and Career Services for a workshop in discovering your values and how they can make you a strong leader.

Oct 31, 2019
12:00 AM

**11/6: Recruiter Insights & Applying to Graduate School**
Thinking about applying to grad school? Come to this workshop to hear first-hand insights and tips from recruiters on how to stand out.

Oct 30, 2019
12:00 AM

[less]
Job Title: Irrigation Engineer

Job Summary:
Laurel Ag is the premier irrigation supplier in California. We have combined the vast experience of growers, engineers, entrepreneurs and innovators to bridge the gap between the grower and irrigation innovation. The engineering staff at Laurel Ag fulfill the essential function of developing and designing solutions for our customers. They provide the technical expertise and knowledge that forms the basis for a variety of irrigation related construction projects.

Responsibilities & Duties:
- AutoCAD-IrriCAD Link drafting and design
- Irrigation system design (drip/micro, sprinkler, flood, indoor, mechanical move, etc)
- Pump station design
- Filter design
- Reservoir & open channel design
- Electrical design
- Scope of work and project phasing definitions
- Material selection and product specification
- Value engineering and cost analysis
- Occasional job site data acquisition
- Continuously strives to improve processes and performance to achieve company goals.
- Reports to VP of Design & Business Development

Skills & Qualifications:
- B.S. BioResource & Agricultural Engineering or similar degree
- Advanced skills in critical software applications, such as AutoCAD & Microsoft Office
- Great understanding of hydraulics and pipeline design
- Strong understanding of soil water relationships and soil science
- IrriCAD experience is a plus
- Expert in problem analysis and creative problem solving

Compensation & Benefits:
- $50-75K DOE
- Medical, Dental & Vision
- Retirement plan option

Contact: Curtis Lutje  clutje@laurel-ag.com  (661)-432-8115
Scholarship Opportunity!

For more information and to apply visit:

https://app.smarterselect.com/programs/61290-Irrigation-Association-
PROGRAM COORDINATOR, AGRICULTURAL & ENVIRONMENTAL AFFAIRS

REPORT TO: Director, Agricultural Affairs

RENT.

This position supports the coordination of the agricultural and environmental research programs and the industry's strategic investment in research and outreach. This position focuses on managing the administration of research grants, including tracking and reporting, communication with researchers, and liaison with organization of research sessions at conferences and meetings and some administrative support.

RESPONSIBILITIES AND CHARACTERISTICS

The successful candidate will be skilled in managing research grants and programs, including budgeting and reporting requirements, as well as managing projects and programs with multiple stakeholders. The candidate will be responsible for coordinating and conducting meetings, managing a research team, and providing support to researchers.

Maintain files for research programs, including proposals, grants, and reports.

Serve as a primary contact for researchers and university grant administrators. Work to ensure timely reporting, managing grant agreements, and maintaining contact with researchers.

Assist with planning and preparation of research projects, including grants, proposals, and budgets.

Maintain project timelines, deadlines, and milestones.

Support the maintenance of the research database and access for information and analysis of Almond Board research.

QUALIFICATIONS

Education:

Agricultural sciences and neighboring the almond industry in California. This is a growth opportunity for candidates with an interest in agriculture and research.

Qualifications:

- A minimum of 4 years of relevant experience in research or project management.
- Knowledge of agricultural research and management practices.
- Strong organizational and communication skills.
- Ability to work independently and as part of a team.

Other Requirements:

- Ability to travel within California and internationally.
- Demonstrated experience in task management and capacity to assist in the development and use of electronic management tools.
- Occasionally required ability to perform non-routine activities outside of normal business hours, conference calls, or other formal visits.

EDUCATION:

A degree in agricultural science or related field.

DEGREE:

A degree in agricultural science or related field with 1-2 years of experience in research is preferred.

PHYSICAL CHARACTERISTICS:

The physical abilities involved in the performance of essential duties are:

- Ability to work independently and as part of a team.
- Ability to travel within California and internationally.
- Ability to communicate effectively in writing and orally.

For immediate consideration please click here to apply or see.

http://www.almonds.com/consumers/about-the-almond-board/careers/program-coordinator