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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: No meeting Until November

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
CAL POLY GROWCREW

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

WHAT: Grow Crew is a club for those interested in alternative forms of agriculture including hydroponics, aquaponics, and aeroponics. Within this club members will work in the lab to care for, learn about, and enhance their knowledge and practices.

WHEN: General Meetings: Last Monday of the Month, Weekly Meetings: Every Thursday 11-12pm

WHERE: BRAE Lab 4 (upstairs)

WHY: To give hands on opportunities to Cal Poly students by allowing them work with Cal Poly’s equipment and continue discovering and improve the quality of alternate forms of farming.

HOW: Join by coming to any meeting, no prior knowledge or experience required, simply a desire to learn more about alternate farming practices! Meetings will tentatively be every Thursday in BRAE lab 4 from 11-12pm.
WHO: Cal Poly BRAE & ASM Major Concentration (all majors welcome)

WHAT: A club in which members get hands on experience working on projects from a technological standpoint while enjoying good company and pizza!

WHEN: Every Thursday 6pm-7pm

WHERE: BRAE

WHY: To give hands on opportunities to Cal Poly students by allowing them work with Cal Poly’s equipment and continue discovering and improve the quality of precision agriculture

HOW: Weekly meetings are happening all year. Find out about club projects, meet teammates, and learn the basics of robotics!
Don’t worry if you can’t make weekly meetings, the Lab is frequently open during the week. Lab hours are posted by the door, and additional hours can be allocated upon request.

CONTACT: paac@calpoly.edu
CAL POLY “POLYBUILT”
1/4 Scale Tractor Design Team

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

WHAT: The PolyBuilt team is a student run, extracurricular, academic-related organization within the BioResource and Agricultural Engineering Department. Each academic-year the team designs and builds a powerful tractor from the ground up, one-quarter the scale of a full size tractor. The objective of this tractor is to compete in the ASA- BE (American Society of Agricultural and Biological Engineers) International Quarter Scale Student Tractor Design Competition, held in Peoria, Illinois. Since our first year of competition in 2000, we have relied on contributions from the college and the community.

WHEN: TBD

WHERE: TBD

WHY: Cal Poly’s unique learning experience is a result of its Learn by Doing mentality; the PolyBuilt Team has exemplified this methodology by giving students the opportunity to participate in design, fabrication, event coordination and leadership roles. Students that participate in the PolyBuilt Team gain valuable experience that puts them ahead of their peers when entering the professional workforce.

HOW: Attend a meeting to get involved or contact Danté Panattoni!
WHO: Cal Poly Women Engineers

WHAT: As you may be aware, each Fall quarter, The Society of Women Engineers hosts one of our biggest events: Fall SWE Welcome. Fall SWE Welcome is a 2-day event where high school students get to shadow an engineering student and experience the Cal Poly way of life in a one-of-a-kind on-campus experience. This year, one of our goals was to make sure that our volunteers came from a variety of backgrounds, majors, years, personal interests, etc., to provide high school and transfer students the best possible experience in their pairings. In order to fulfill this goal, we’re expanding our volunteer outreach efforts and would be incredibly grateful if you’d be willing to help us recruit female engineering students within your department who’d be willing to participate in this amazing opportunity.

WHEN: Friday, Oct 18, 9:00am-Oct 19, 12:00pm (Fall SWE Welcome)

WHERE: Cap Poly Campus

WHY: The Cal Poly Society of Women Engineers works to promote diversity and support women in engineering, while also providing many academic and professional opportunities to all students.

HOW: Contact Michaela Sewell at masewell@calpoly.edu for information about the club or sign up to volunteer with this link: https://docs.google.com/forms/d/e/1FAIpQLSc67AO35cvGEvOLKBqFnIvQ7-7zN_v2fWfnEN8g-2z3DwdTPaA/viewform
Internship and Employment Opportunities

ASM and BRAE students and graduates are in high demand!

Check out 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.

Heinzen is looking for soon to be Cal Poly graduates interested in a career in mechanical design and engineering. The position will take place in Gilroy, CA. Included is a link to their application and you can visit their website for more information.

https://www.heinzen.com/our-culture/careers
COME WORK AND PLAY WITH US ON 71.5 ACRES OF ECUADORIAN FARMLAND!

SUSTAINABLE BAMBOO ARCHITECTURE AND AGROFORESTRY

UPCOMING INFO SESSIONS:

COURSES IN BAMBOO CONSTRUCTION AND ORGANIC FARMING IN COASTAL ECUADOR!

WINTER SESSION:
DECEMBER 27TH-JANUARY 5TH

Develop agroforestry and bamboo cultivation techniques to restore soil fertility

Join a community of sustainably minded change-makers and create long lasting friendships

Construct with local species of bamboo to revitalize post-earthquake Manabí
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

CAL POLY
College of Agriculture, Food & Environmental Sciences
Job Opening for applicant with Scientific, Engineering or Programming background

Western Weather Group, Inc., is a rapidly growing scientific and meteorological company based in Chico, California. Founded in 2005, Western Weather Group provides products and services to a wide range of customers and industries that help them minimize their weather risks. Our clients include companies such as Squaw Valley | Alpine Meadows, Stanford University, E & J Gallo Winery Ranches, Constellation Brands, and several major California electric utilities among many others. Employee retention is unparalleled with all original employees with the company since inception in 2005. Visit our website for additional information about our customers and the services we provide: https://www.westernweathergroup.com

JOB RESPONSIBILITIES:
Job responsibilities will be geared towards project management in support of electric utilities and include:

- Interfacing with electric utility clients for sales, support, and training
- Assembling, testing, and deploying weather monitoring systems in the field
- Assisting with product research, development, and testing
- Solving problems by researching, evaluating, and implementing solutions
- Working with custom datalogger software and programs
- Working with Microsoft Azure Cloud Based Weather Data Platform
- Periodically traveling within the U.S. in support of clients

EMPLOYMENT BENEFITS:

- Competitive health, dental, vision, and life insurance coverage
- SIMPLE IRA retirement account matching funds
- Paid time off and ten paid company holidays per year
- Challenging and rewarding work environment
- Salary based upon experience and qualifications

REQUIRED JOB QUALIFICATIONS:

- B.S. from an accredited college in electronics, meteorology, engineering, programming or related field
- Self-motivated learner with excellent multi-tasking skills
- Proven ability to work as part of a team and as an individual with minimal supervision
- Exemplary written and verbal communication skills
- Ability to lift and carry items up to 50 pounds
- Valid U.S. driver’s license and clean driving record

Western Weather Group is seeking an enthusiastic and self-motivated employee with project management skills and a scientific background to help us as we continue to grow!

Please email or mail your resume and cover letter to:
Nathan Lohse, Chief Operating Officer, nathan@westernwx.com
Western Weather Group, 686 Rio Lindo Ave., Chico, CA 95926
Position: Agricultural Engineer

From concept to complete machine, the Research department at Andros strives to create innovative custom machinery offering customers improved efficiency through mechanization. Be a part of a team developing technologies to serve the future of the agricultural industry.

Job Description:

Perform as a member of a research and development focused team to design and build ag machinery. Complete design of mechanical systems, engineering analysis and design reviews. Create 3D models, shop drawings and bills of materials. Interact, coordinate and assist fellow engineers, fabrication personnel, vendors and clients to complete jobs in an efficient and timely manner. Assist in the manufacturing and in-field testing processes. Work in varied field environments to prove design integrity and determine necessary improvements.

Qualifications and Experience:

- Bachelor of Science degree in engineering (Agricultural, Mechanical, or related)
- Background in agriculture
- Knowledge and experience with industrial fabrication and manufacturing processes
- Ability to work in a production shop environment
- Work environments include office, shop and onsite at customer’s locations
- Knowledge of mechanical systems, hydraulics and electrical
- Knowledge and experience with drafting and 3D solid modeling (Solidworks)
- Effective written and oral communication, organization and time management skills
- Display ethics and professionalism at all times
- Work well in both team and independent environments
- Detail oriented individual with excellent critical thinking, problem solving and analytical skills
- Ability to efficiently prioritize and manage multiple projects simultaneously
- Willingness to travel and work overtime as necessary
- CA driver’s license required

Compensation and Benefits:

- Very competitive wages based on experience
- Complete benefit package including:
  - Group medical plan
  - Employer matched 401K
  - Paid vacation and holidays

How to Apply:
Send resume to: harrison@andros-engineering.com