GOOD LUCK WITH MIDTERMS!

Sign made by BRAE student Charlie Brennan displayed at the Cal Poly Rodeo Grounds
This third year BRAE major can always be found down at the shops working under the famous Virgil Threlkel. He loves spending time with his friends, fishing on the weekends, and hanging out with his family. He is active on campus as a member of the rugby club, and has demonstrated his artistic skills combined with his love of welding.

Make sure to check out some of his work at the Cal Poly Rodeo grounds (on the cover of the newsletter), or at the Grand entrance onto campus!

We are lucky to have you Charlie! Keep up the good work!
Volunteer for Building an Engineer Day - 5/14

Building An Engineer Day is an event for 6th-8th grade students to learn more about what it means to be an engineer! The day consists of 4 hands-on lab activities hosted by various engineering clubs on campus. This event provides the students with a great opportunity to experience different engineering disciplines. We need your help to make it successful!

If you are interested in volunteering on the day of the event as a group leader or general help volunteer, sign up with this form:
HTTPS://DOCS.GOOGLE.COM/FORMS/D/16UGFB6MAS9N4SP8D7ZPRN1NB0MU-XFJQIR_QNRYWNJY/VIEWFORM?USP=SEND_FORM

If you would like to be a part of the committee tasked with planning and organizing this event, sign up with this form:
HTTPS://DOCS.GOOGLE.COM/SPREADSHEETS/D/1MTAWRN0HS56HZXD3AC_H8QIL-FJH-2GFLNW1VOQ7ERC/EDIT?USP=SHARING

If you have any questions contact Angelica Quach at baeday@gmail.com

AES Officer Elections

Agricultural Engineering Society will be having a meeting on April 28th, at 6 pm in Building 8 Room 122. Nominations are still open for officer positions. Voting will begin after nominations are complete.

ENGINEERS WITHOUT BORDERS

India: Building 10-231, Monday from 7-9 pm
Malawi: Building 10-223, Monday from 7-9 pm
Nicaragua: Building 10-220, Monday from 7-9 pm
Thailand: Building 10-221, Monday from 7-9 pm
Local Projects: Building 10-111, Monday from 7-9 pm
Impact: Library 216 M, Tuesday from 3-4 pm
Fundraising: Library 216 M, Tuesday from 3-4 pm
SAVE THE DATE: Spring Banquet
The Spring Banquet will be on Sunday, May 29th from 6-8:30 pm. A catered dinner will be provided. Stay tuned for more info.
Come celebrate the end of another great year. Our annual awards banquet recognizes the hard working students of the BRAE Dept. and their accomplishments made throughout the year. We have many exciting events planned that you don’t want to miss as well as many scholarships to be given out along with department awards.

Ticket Prices

**BRAE Dept. Students:** $30.00

**Guests:** $35.00

*Sign up in the BRAE Office Bldg. 8 Room 101
Last day to sign up: April 29, 2016*

**Dinner Includes:** Your choice of Prime Rib, Salmon, or Vegetarian. Mixed Green Salad, Red Potatoes, Seasonal Vegetables, Homemade Dinner Rolls, Famous Madonna Inn Cake.

Questions please contact Joey Roberts, AES Vice President jrober30@calpoly.edu
AES Quarterly Activity

BRAE Casino Night

Thursday, April 28

6 pm – 9 pm

Building 8 room 122 (Surveying Room)

Join AES for a night of fun and games

• Poker
• Twenty-one
• Prizes

If you are interested in dealing cards at the event, please contact Toby at (805) 540-9741
Positions Available for:  President
                        Vice President
                        Treasurer
                        Secretary

Where: Bldg. 8a lab 3 (upstairs)
When: Thursday (4/28/216) at 10:00am

This is a great chance to get involved in clubs and build your resume. Don’t miss out!
Safeguarding when operating a lathe:

<table>
<thead>
<tr>
<th>Keep the chuck key in its proper holding place at all times, except when in use.</th>
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<tbody>
<tr>
<td>Never leave the chuck key in the chuck!! It should either be in your hand or the key holder.</td>
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<tr>
<td>Only run the lathe (spin the chuck) when the jaws are securely tightened on a part. Do not run the lathe when the jaws are empty.</td>
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<tr>
<td>Keep the workspace above the chuck clear of rags, parts, and other items that are not normally stored there. These items could fall or get sucked into the rotating chuck.</td>
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# MAY CALENDAR

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<td>Club Officer Meeting 6pm 8-122</td>
<td>AES General Meeting 8-122 - 6pm</td>
<td>BRAE BBQ 11am</td>
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<td>BRAE Scholarship Application due</td>
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<td>BRAE BBQ 11am</td>
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<tr>
<td>Mother's Day!</td>
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<td>BRAE BBQ 11am</td>
<td>AES Casino Night 8-122 - 6pm</td>
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<td>AES Banquet at 6:30 at the Madonna Inn</td>
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STUDENT OPPORTUNITIES

Irrigation Design Engineer
Alsco, Inc.
Red Bluff, CA

Alsco, Inc. is an agricultural irrigation company located in Red Bluff, California and Merrill, Oregon. We are hiring a full- time irrigation system designer for our Red Bluff location. Your role will be designing irrigation systems and creating maps in coordination with our sales representatives.

Job Description

- Design irrigation systems
- Create irrigation system maps
- Produce material lists with costs
- Purchase materials for sales representatives and inventory
- Troubleshoot and collaborate with sales and other departments

Qualifications

Preferred:

- BS in Agricultural Engineering
- IRRICAD or other mapping design software knowledge
- Computer skills including Microsoft Excel
- Well-organized
- Ability to work well with vendors and customers
- Problem solver
- Excellent communication skills

Job Type: Full-time
Pay: Salary plus benefits

Please submit your resume to:

Hayden Heiber
hayden@irrigationrentals.com
(530) 527-4001
### Maintenance Intern

**Organizational Unit**: Operations  
**Reporting To**: Maintenance Supervisor  
**Location (City, State)**: Napa, CA  
**FLSA Status** (HR Use Only): Hourly  
**Employment Status** (HR Use Only): Full Time- Internship

#### Position Summary

Stag’s Leap Wine Cellars, winner of the 1973 Judgment of Paris and iconic Napa Valley Cabernet Estate is in search of Interns to join the team during the 2016 Harvest Season. This is an opening for a 3 month internship in the field of winery maintenance. Looking for an intern who is highly motivated, self-starter with high standards of quality and a desire to excel. The ideal candidate will possess a wide array of technical skills and be proficient at them all.

#### Essential Functions

- Provide support on stabilization processes, equipment reliability, standardized work, process repeatability, and time studies.
- Develop equipment set ups, documentation, equipment / material interface, and continuous improvement through learning and engineering project management process.
- Help create SOPs, PMs, and build a CMMS program.
- Lead and manage projects to optimization of packaging equipment and systems related to the winery bottling production lines.
- Work with departments to identify issues, collect appropriate supporting data, develop and present improvement ideas, and implement solutions.
- Develop critical parameters for equipment and systems and develop standard set up documentation.
- Facilitate routine meetings with functional departments (Quality, Maintenance, Operations, Finance) to identify and resolve emerging issues which could impact project timelines.
- External interaction can include: equipment vendors, raw and packaging suppliers, contractors, engineering services contractors, local/state/federal government agencies, and co-manufacturing organizations.
- Other duties as assigned by manager.

#### Working Conditions

- Indoors and out; in all sorts of climatic and weather conditions, including but not limited to inclement weather such as rain, wind, cold and extreme heat.

#### Physical Requirements

- Must be able to repeatedly lift 50 lbs.
- Must be able to walk and stand for most of the day; turn, twist, bend, crouch, extend, climb ladders, and have a full range of motion in all varieties of physical movement, while using tools, holding loads, and working with one’s hand.

#### Qualifications

- Enrolled in a University/College, or Degree highly desirable
- Valid driver’s license
- Winery or electrical equipment repair and maintenance experience required
- Good verbal and written English communication skills; and be able to keep neat and accurate records.
- Must have highly developed hand to eye coordination and be able to work with hands on tasks from delicate operations to large, heavy applications such as automotive parts repairs and engine maintenance.
- Must be detailed oriented, have excellent communication and organizational skills.
- History of responsible use of alcohol and other appropriate conduct, as well as fitness to be licensed, permitted, and/or certified by state and/or local regulatory bodies.

Apply On Line at SMWE’s Web Site: [www.smwe.com/employment](http://www.smwe.com/employment)  
Requisition #:
Job Title: **DESIGN SUPERVISOR**

**Position Summary:** Design Supervisor is responsible for the design of micro irrigation turnkey systems, preparation and matching of materials lists to projects in addition to working with salesman/customers to gather information required to perform these tasks.

**Type of Position:** Full Time Hourly

**Benefits:** Hydratec offers paid holidays, medical insurance, dental insurance, vision coverage, and 401k retirement program with contribution matching.

**Qualifications, Knowledge, Skills, and Abilities:**
1. Knowledge of principles of irrigation system design.
2. Knowledge and experience with all phases of design work (including field measurement, computer design programs, etc.).
3. Knowledge and experience with various parts and materials used in irrigation systems and with their various qualities and limitations.
4. Ability to use Excel, AutoCAD and any other necessary software to complete all stages of irrigation system design. Ability to use SAGE accounting software to create matching materials lists for each design.
5. Ability to understand and follow through on special requests made by customers.
6. Ability to address issues in an effective, professional manner.
7. Ability to work well under pressure, meeting multiple and sometimes conflicting deadlines.
8. Knowledge of Agriculture Drip/Micro irrigation, filtration, and pumps

**Duties and Responsibilities:**
1. Receives all raw data for creation of designs. When necessary, obtains pertinent data from field by making field trips to various sites.
2. From specifications, designs system to meet customer needs.
3. Provides the drawings necessary to order parts and construct systems.
4. Creates material list in job estimating component of accounting system.
5. Work with salesman to deliver drawings, material list and other appropriate information to customer

For more information, please contact:
Chad Lilze
clilze@hydratec.com
Ph. 661.474.7749
Rain for Rent is pleased to announce its 2016 Scholarship Program. Fifteen scholarships in the amount of $1,500.00 each will be awarded to qualified students to help them pursue a career in agriculture, engineering or construction management.

Students may read about the Charles P. Lake/Rain for Rent Scholarship on the Rain for Rent website - http://www.rainforrent.com/company/scholarship.htm

Students must apply on the Charles P. Lake/Rain for Rent application form attached to this e-mail to scholarshipcoordinator@rainforrent.com

Deadline for application is April 30, 2016.

Scholarship applicants must have completed their freshman year at an approved college/university and must be currently enrolled for the next school year within the following criteria:

1. Applicants must have an overall grade point average of 3.0 or above.
2. Applicant’s education emphasis must be in agriculture or engineering with a major in agricultural, mechanical, civil, manufacturing engineering or construction management.
3. Preference will be given to those students who are specializing in irrigation technology, pumps, fluid dynamics and trenchless technology.
4. Students must be a U.S. citizen.
5. In the event that the applicants are equal in their academic achievements and extracurricular activities, the scholarship will be awarded on the basis of need.
6. Official transcripts must be attached to each application.
7. Successful applicants must attend a Rain for Rent orientation and provide us with a photo for promotional purposes.

You have received this letter as a student majoring in agriculture, engineering or construction management. You may forward your application along with your official transcripts directly to our Scholarship Coordinator, Carol Cunningham. All applications and official transcripts must arrive prior to the April 30th deadline. These applications will then be presented to our Scholarship Committee for final selection on or before May 31, 2016. Payment of the scholarship will be made upon completion of the requirements provided in the Scholarship Brochure.

Please direct any questions to our Scholarship Coordinator, Carol Cunningham at 661-399-9124, extension 185, e-mail ecunningham@rainforrent.com, or address 3404 State Road, P. O. Box 2248, Bakersfield, California 93303.

Sincerely yours,

Robert Lake
Chairman