ENJOY YOUR VETERAN’S DAY OFF!

Don’t be afraid to stand out by smiling!

BRAE 128 took a field trip last week to a variety of places.
Philippe Napaa is a senior from Palo Alto, CA. He came from a residential construction and landscape background so he was a civil engineering major. However, he quickly found out that it wasn’t for him. He switched to BRAE where there are more hands on labs instead of theoretical classes.

After graduation, Philippe hopes to move back to the Palo Alto area to work on mechanical equipment design and engineering. Most specifically, he wants to specify in mobile hydraulics and fluid power system design.

Philippe has made sure to stay busy during his years at Cal Poly. He is the senior shop technician and maintenance supervisor for the mechanical engineering department. He also helps with quarterscale on an occasional basis. Philippe is a quartermaster sea scout and has sailed cross the Pacific Ocean going from Hawaii to San Francisco. This summer he rebuilt a 7.3 L diesel engine for a 1994 F350 pickup truck with his younger brother. He also is very involved with the Cal Poly Rose Float. “I have been in charge of all the mechanical systems and infrastructure that makes the float drive down the parade route, as well as the animatronics,” Philippe said.

His favorite class that he’s taken in the department was 302-Servo Hydraulics with Mike Burlingame. “Having worked with hydraulics previously, I was glad to learn how to control motors and cylinders with Danfoss Plus +1 and Guide. It was also my first experience programming and working with an industry standard control system, so I was really glad to have the opportunity to do so. Since it was Burlingame’s first time teaching the class, he put lots of hours in on his own time making the labs and the lecture plans, as well as helping students understand the material. Both he and the students learned a lot that quarter,” Philippe said.

One of Philippe’s funniest moments happened at the BRAE banquet at the end of last year. Dr. Howe presented some students, including Philippe with scholarships. “He talked about how the others worked for the ITRC and such. When it came my turn, he was like ‘Philippe….he works hard but…..he’s…just around’ His comment got a good round of laughs from the audience,” Philippe said.

Gary Weisenberger is one of Philippe’s favorite people in the department. He appreciates that he is always going out of his way to help the students. Also, of course he likes the advice of funny stories that Gary always shares.

Philippe’s Advice

- Get involved in an extracurricular! Join one of the great clubs in the BRAE department, or at the very least go to the AES meetings each month.
- Get to know the faculty and staff! They are very friendly people who enjoy helping students and will go out of their way to help you if you need it.
- Spend some time down in labs 6 and 7. Even if your not involved with a club or team, go work on a project and get familiar with the tools and equipment there. The BRAE department is very fortunate to have such well equipped labs so use them!
- Life isn’t all about school and studying, try something new and get involved!
BRAE NEWS & EVENTS

ValleyCrest on Campus

ValleyCrest will be on campus conducting interviews on November 18th. Contact Amanda Bender at (408)453-5904 for more information on the open positions and to set up an interview time.

SWE Announcements

We gave out over $30,000 in scholarships last year and now is the chance to get your share of it! Please complete the application form and submit it to the SWE Office (197-212) no later than Friday, December 4, 2015 at 4 pm. The SWE Office is opened from 10 – 4 pm from Monday through Friday. Please see the attached application. If you have any questions or concerns, please contact Kristina Mai at cpswescholarship@gmail.com

Application Form: https://drive.google.com/file/d/0B6Emwjxww0PzcPwKdnY5RnhwVEdzRE9WTVF2aDhldTk4d2ZR/view

Engineers Without Borders Announcements

Meetings:
India: Bldg 10-220, Monday from 7-9pm*
Malawi: Bldg 10-115, Monday from 7-9pm*
Nicaragua: Bldg 10-124, Monday from 7-9pm*
Thailand: Bldg 10-126, Monday from 7-9pm*
Local Projects: Bldg 10-221, Monday from 7-9pm*
Fundraising: Library 216M, Thursday from 10-11am
*Monday Night Meetings: Please meet in the Building 10 courtyard for brief EWB announcements

Cal Poly’s Global Program in China

The 2nd Info Session on the Cal Poly’s Global Program in China is scheduled for this Thursday, Nov. 12, 11:00am to 12:00pm at Bldg 192 Rm 220.
The key features of this program are:
1. Multidisciplinary International Team experience with Chinese students from Zhejiang University of Technology to work on projects.
2. Plant tour of Shanghai General Motors, Shanghai Volkswagen, Xizi OTIS Elevator Co., etc.
3. Excursions include majors sites in Hangzhou and Shanghai.
If you are interested but unable to attend the info session, email John Pan for more information at pan@calpoly.edu or stop by his office hours in 192-235, Monday 10am - 12pm, Tuesday 1-2pm, and Wednesday 9-11am.
Students can receive Advisor Approved Elective credit in our department (5 units) for attending. It is really cheap to stay (~$20-30 per night room and food).
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STUDENT OPPORTUNITIES

Annual Graduate Student Recruitment Weekend
February 19 – February 20, 2016

The Biological & Agricultural Engineering Department at North Carolina State University offers MS and PhD programs in Environmental Engineering, Bioprocess Engineering, Bioinstrumentation, Controlled Environment Agriculture, and Integrated Machine Systems & Precision Agriculture.

The faculty of the BAE Department will invite prospective graduate students to visit Raleigh on Friday and Saturday, February 19-20. This weekend of fun and information will help students become familiar with the department, NC State's campus, and the Raleigh area. Students will have many opportunities to visit and socialize with current graduate students and faculty.

**Planned Activities Include:**
- Small group meetings with Professors and Grad students
- Q&A session about application process, assistantships, etc.
- Visits to labs and off-campus research sites
- Attend an NCSU Men's Basketball Game at the PNC Arena

**Go Wolfpack!**

**Invited Students will receive:**
- Travel Reimbursement (air fare or mileage) up to $300.00
- Meals, lodging and entertainment while engaged in recruitment weekend activities

**For consideration:**
All students interested in attending the weekend please contact Heather Austin, BAE Student Services, at 919-515-6710 or heather_austin@ncsu.edu by Monday December 14th

*Preference will be given to students who have applied to NCSU BAE. Other students will be considered but must provide a personal statement and a copy of their transcripts.*

Graduate Programs Website
http://www.bae.ncsu.edu/grad/
Facilities Technician

Founded in 2001, Shopatron is the No. 1 retail-integrated eCommerce solution for branded manufacturers, distributors and multi-channel retailers. Working with more than 1,000 manufacturers and 20,000 retail partners across 40 industries, Shopatron offers an innovative and flexible approach to eCommerce that matches the unique needs of branded manufacturers and multi-channel retailers.

Position Summary:
One of the fastest-growing ecommerce companies in San Luis Obispo is seeking a part-time Facilities technician to join our close-knit and hardworking team. We pride ourselves on our exceptional customer service. It is important that you maintain a comfortable environment to provide our employees with the appropriate services to meet their needs. You will be playing a vital role in supporting our employees.

Essential Duties and Responsibilities:
- General building maintenance for a busy commercial office
- Maintain and repair lighting, drywall, furniture, woodwork, doors, locks, restrooms and other miscellaneous items throughout the building
- Install workstations, office furniture and artwork

Education and Work Experience:
- High school diploma required
- Trade/vocational training preferred
- Facilities maintenance experience is a plus
- Skills include: rough / finished carpentry; painting, plumbing and lighting maintenance; commercial office furniture and / or floor tile installation
- Ability to troubleshoot and work within tight schedules
- Lift up to 70 pounds and climb ladders
- Experience with hand and power tools
- Work independently with minimal supervision
- Valid driver’s license
- Strong communication skills
- Self-motivated and able to work with minimal supervision

This is a part time position that will be paid hourly.
From the fertile soils of California’s San Joaquin Valley to the open fields of South Wales, Australia, the J. G. Boswell Company has a rich history of working with the land. For over 85 years and three generations, Boswell has depended on dedicated people, innovative technology and solid relationships to ensure its success. From growing the world’s finest extra long staple Pima Cotton to development of master planned communities and business parks, the Boswell Company is known for its tradition of excellence.

As an Agronomist you will assist Farm Managers and Pest Control Advisors with the development of sound agronomic practices for a large family owned company. You will conduct field research in plant and soil fertility, irrigation, pesticides, growth regulators, and new technologies that can bring value and improvement to the farming operations.

We would love for you to come and talk to us about what makes our Company unique. As a student of Cal Poly SLO, we know you have the skills to begin a successful career with J. G. Boswell Company.

Our open position is located on our Kern County Ranch (outside of Bakersfield, CA) and open to recent or upcoming graduates. We offer a competitive compensation & benefit package that includes a 401(k) profit sharing and defined benefit pension plan. Relocation assistance is available. Candidates are encouraged to apply by sending their cover letter, resume and transcripts to: jobs@jgboswell.com or call Larisa Arambula @ 661-333-7135 for more information about the position.
STUDENT OPPORTUNITIES

WATER ENGINEER

POSITION OPEN IMMEDIATELY

From the fertile soils of California’s San Joaquin Valley to the open fields of South Wales, Australia, the J. G. Boswell Company has a rich history of working with the land. For over 85 years and three generations, Boswell has depended on dedicated people, innovative technology and solid relationships to ensure its success. From growing the world’s finest extra long staple Pima Cotton to development of master planned communities and business parks, the Boswell Company is known for its tradition of excellence.

As a member of our team, you will engage in all aspects of on-farm water management, design techniques in partnership with professional engineers and industry leading agriculture professionals. Learn from the best how to design, plan and oversee water construction projects that maximize water utilization.

We would love for you to come and talk to us about what makes our Company unique. As a student of Cal Poly SLO, we know you have the skills to begin a successful career with J. G. Boswell Company.

Our open position is located in Corcoran, CA (south of Fresno & Hanford) and open to recent or upcoming graduates. We offer a competitive compensation & benefit package that includes a 401(k) profit sharing and defined benefit pension plan. Relocation assistance is available. Candidates are encouraged to apply by sending their cover letter, resume and transcripts to: jobs@jgboswell.com or call Larisa Arambula @ 661-333-7135 for more information about the position.

J. G. Boswell Company is an Equal Opportunity Employer M/V/F/D
Job Title
Associate Engineer/Planner/Scientist – Water Resources

Description
At MWH, growing a great engineering, consulting and construction services company happens from the inside out. If working on the best water and natural resources projects, building your talents through knowledge sharing and connecting with top talent appeals to you, join us.

MWH Global...we're looking for opportunities.

MWH has an opening for an associate-level Engineer/Planner/Scientist who will contribute to developing and delivering world-class water resources solutions. This position will be based in our Sacramento office. Sacramento provides MWH with an ideal location to support efforts of Federal, State, regional, and local water-related agencies/organizations to promote and apply water supply reliability, flood management, and environmental restoration strategies, from planning to implementation throughout California and the western U.S.

Responsibilities of this position include the following:

» Gain and apply experience in California water resources including river systems/water-related infrastructure, applicable laws/policies/regulations, and understanding of operations of the Central Valley Project and State Water Project

» Participate in multi-disciplinary teams on water resources projects throughout California and the western U.S.

» Conduct technical evaluations supporting planning and design of water supply, flood control, and environmental restoration projects

» Coordinate with project managers, project engineers and staff, clients, regulatory agencies, and subcontractors

» Perform project administration including preparing reports, gathering information, drafting proposals, drafting correspondence, completing progress reports, and conducting project management

» Perform other duties as assigned

Qualifications

» Engineer:
  • Bachelor's degree in civil/environmental engineering, water resources engineering, or related field; MS preferred
  • Valid California P.E. license, or ability to obtain one within 1 year of employment, is desired

» Planner/Scientist:
  • Bachelor’s degree in hydrology, geology, environmental science, ecology, natural resources, water resources planning, or related field; MS preferred
  • BS degree required, MS preferred, in civil or environmental engineering
  • 0-2 years of experience in one or more of the following:
    • Water allocation, reservoir operation, water system hydrologic and temperature models
    • Modeling the Sacramento-San Joaquin Delta
    • Development of criteria to evaluate system performance or ecosystem health
    • Engineering feasibility analyses and design
    • Hydrology and hydraulics
    • Surface water and groundwater systems
    • Integrated water management in relation to the dimensions of water (surface water and groundwater, and quantity and quality), interactions with land and the environment, and interrelationships with social and economic development

» Excellent written and oral communication skills

» Strong interpersonal abilities for working in diverse team environments with staff, clients, and stakeholders

» PMP certification a plus

Apply online at www.mwhglobal.com (requisition number 9410BR)