

Civil and Environmental Engineering Announcements

Week 7 -- February 14, 2022

Hope you have a good Week 7!

1. Get Involved on Campus

- a. APWA Virtual Interview Workshop
- b. IN-PERSON Undergraduate Research, Scholarship & Creative Activities Conference
- c. EQUIP Program
- d. EUO Peer Advisors 1-on-1 Appointments
- e. Contest for Engineering and Environmental Students — Rewilding the Colorado River
- f. Citadel Spring 2022 Events Announcement
- g. The 2022 IWS Challenge
- h. Clothing Drive for Joan Viteri Memorial Clinic
- i. EUO Recruiting Student Interviewees
- j. Berkeley SkyDeck

2. Job/ Internship


- a. Upcoming CWEA Student Events -- Virtual Resume Workshop, Interview Practice, and Career Fair
- b. MS Program in Structural (Civil) Engineering at USC
- c. City of SF 2022 Summer Student Intern Program
- d. the University of Pittsburgh REU for STEM
- e. Genentech Internship Openings Follow-up

3. Scholarships

- a. USSD Scholarship Award Deadline Approaching

Get Involved on Campus

APWA Virtual Interview Workshop



**APWA YP
VIRTUAL
INTERVIEW
WORKSHOP**

February 16, 2022
6 to 7:30PM

Calling all Civil Engineering students! Join the APWA YP Group for a FREE Virtual Interview Workshop where Civil Engineering professionals will provide interview advice, resume critique, and potential mock interviews!

Space is limited, [click HERE to sign up!](#)
Please provide your resume to Elizabeth Raynal at eraynal@ghirardelliasoc.com, by noon on Monday, February 14th, 2022. Registration will close at the end of day.

IN-PERSON Undergraduate Research, Scholarship & Creative Activities Conference

The poster features a central vertical illustration. At the top, a dark blue sky is filled with white stars. Below the stars is a large, bright yellow sun or moon partially obscured by a dark, leafy branch. The background transitions to a lighter blue and green, suggesting a landscape with a yellow sun or moon in the distance. In the foreground, the silhouettes of three people are walking away from the viewer on a yellow path that leads towards the horizon. The overall color palette is dominated by dark blue, yellow, and green.

33rd
Annual **URSCA**
Conference.

DESIGN • CREATE • EXPLORE • DISCOVER • IMPACT

April 29-30, 2022
In-person conference
Friday | ARC Ballroom
Saturday | Wellman Hall

Registration opens:
Monday, January 10, 2022
Priority Deadline:
Wednesday, February 9, 2022
Final Deadline:
Wednesday, February 16, 2022
urc.ucdavis.edu



The Undergraduate Research, Scholarship and Creative Activities Conference is sponsored by:
Undergraduate Research Center, Undergraduate Education, Student Affairs, University Library and Global Affairs

EQUIP Program

Undergraduate Internship Program (EQUIP) next quarter. EQUIP is a competitive program that offers leadership and entrepreneurial skills development. Additionally, participants of the program receive hands-on assistance in developing application materials and applying to internships.

They will be holding a virtual info session on February 18th, 1-2pm. Here is the link to sign up for the session and see more information:

<https://ucdavis.startuptree.co/event/s/Uae9n9fKBvUyKQd5Lg5gm6/Info-Session-for-EQUIP>

The application for EQUIP can be found at the following link and is due February 23rd by noon:

<https://ucdavis.startuptree.co/event/s/RPQQkrFjBRhy863LeDDt2u/Spring-2022-EQUIP-Program>

EUO Peer Advisors 1-on-1 Appointments

The Engineering Undergraduate Office is now offering 30-minute 1-on-1 appointments with peer advisors. If you could use some student perspectives on time management, study skills, campus tutoring resources, and tips and tricks for success, this is a great resource for you to take advantage of.

To be clear, advising holds can **NOT** be cleared during these meetings. Peer Advisors can **NOT** resolve Academic Probation (AP) or Subject to Dismissal (SD) inquiries. However, feel free to come with any questions regarding your major, course advice, scheduling, and how to excel as a UC Davis engineering student.

Peer Advisors Can Help With	Peer Advisors <u>Can Not</u> Help With
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<ul style="list-style-type: none"> • Task / Time Management • Study Skills • Campus Tutoring Resources • Adjusting to College • Finding Clubs and Organizations • Course Advice • Major-related Questions • How to excel as a UC Davis engineering student 	<ul style="list-style-type: none"> • Academic Probation • Subject to Dismissal • Advising Holds
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They have seven peer advisors each with 2-4 years of experience from a variety of majors who have availability through the week. Check the appointment system for availability.

Peer Advisor	Major
Emmy Huynh	Computer Science and Engineering
Huy Tran	Mechanical Engineering
Miranda Godinez	Mechanical Engineering
Yem Pham	Civil Engineering
Stephan Alfaro	Biochemical Engineering
Leslie Rodriguez	Civil Engineering
Nolan Pham	Aerospace & Mechanical Engineering

You can sign up via appointments.ucdavis.edu! Availability begins on Wednesday, February 9th

Contest for Engineering and Environmental Students — Rewilding the Colorado River

The “[Rewilding The Colorado River](#)” contest seeks engineering and environmental alternatives that would allow for a run of the river flow regime through or around Glen Canyon Dam with consideration to such factors as cost-effectiveness, public safety, sediment flow, hydropower production, fish migration, and more.

Open to engineering and environmental sciences students and firms across the United States, the contest includes a \$4,000 prize to for the winning proposal (an amount which may grow larger). The contest closes on November 15, 2022, and the winning proposal will be announced in conjunction with the annual Colorado River Water Users Association conference in December 2022.

They need the best and brightest ideas from the next generation to address the challenges of rewilding the Colorado River and restoring Glen Canyon and hope you will take part.

For further contest details, including relevant technical and historical information, visit RewildingColoradoRiver.org or feel free to contact Gary Wockner (gary@savethecolorado.org).

Citadel Spring 2022 Events Announcement

This spring, you are invited to compete in the [West Coast Terminal](#) and the [West Coast Regional Datathon](#). This is a great learning opportunity for those who are interested in coding/data science and want to showcase their skills in a team-based setting.

Apply NOW to either of these competitions or both and win a chance at prize money & recruiting opportunities at Citadel!

Find more event details below, and feel free to email me at elaine@correlationone.com if you have any questions. We look forward to seeing you there!

WEST COAST TERMINAL (VIRTUAL)

When: Monday, February 28th - Monday, March 7th

Where: Virtual 

Prizes: \$15,000 + Exclusive recruiting opportunities with Citadel

Application Deadline: 11:59 PM PT Tuesday, February 22nd

Terminal is an online challenge where software engineers and computer scientists (or anyone else interested in coding!) build an algorithm and code strategies to automate gameplay.

[Check out this brief clip](#) to see Terminal in action!

[→ Click Here To Apply ←](#)

WEST COAST DATATHON (IN-PERSON)

When: April 9th, 2022

Where: San Francisco Bay Area, in-person

Prizes: \$15,000 + eligibility to interview at Citadel

Application Deadline: 11:59 PT Sunday, April 3rd

[Datathons](#) are world's #1 virtual data science competitions. This is a great opportunity for students to work on challenging problems while engaging with real-world data in a competitive, team-based setting.

**For students in schools not in the Bay Area, transportation and accommodation (if need be) expenses will be fully covered.

[→ Click Here To Apply ←](#)

The 2022 IWS Challenge

The LIFT program, a joint effort of The Water Research Foundation (WRF) and the Water Environment Federation (WEF), is once again holding the Intelligent Water Systems Challenge to demonstrate the value of intelligent water systems to utilities and thereby foster the adoption of smart water technologies. Additional information regarding the Challenge is located at <https://www.wef.org/resources/topics/browse-topics-a-n/intelligent-water-systems-iws/>

The Challenge gives professors, students, professionals, and technology aficionados the opportunity to showcase their talents and innovation, with a focus on leveraging data using the best available tools to help utilities better understand the dynamics of complex systems and make better decisions.

The Challenge, which will run from April 11 – September 2, 2022, provides a top prize of at least \$10,000.00. Additionally, a prize sponsored by Xylem, for the “Most Elegant Solution” in the amount of \$2,500.00 will also be awarded.

Professors and students are encouraged to submit applications. Please see the [informational flyer](#) and [FAQ document](#) for further detail and contact information.

Clothing Drive for Joan Viteri Memorial Clinic

GENDER HEALTH CENTER,
SACRAMENTO

CLOTHING DONATION DRIVE!

Donate gently used clothing to the Gender Health Center, which provides gender-affirming care to transgender/nonbinary and LGBTQIA+ community members!

Collection bin will be in the Women's Resources and Research Center (WRRC) from Feb. 18th to Feb. 25th!

EUO Recruiting Student Interviewees

The Engineering Undergraduate Office is recruiting student interviewees from all majors in the College of Engineering to feature on our EUO website blurb! We are looking for students who are willing to share their experience as an engineering student, any organization/clubs on campus they are in, or general tips for incoming engineering students. If interested, please fill out the survey form below and we will get back to you soon!

<https://forms.office.com/r/a6JjLaX3FW>



Berkeley SkyDeck

Application deadline: 02.28.22

[Info and Apply >](#)

Berkeley SkyDeck, one of the top global accelerators, is accepting applications for the Batch 14 cohort. Those selected receive a \$200K investment, access to 400+ advisors/mentors, and a chance to pitch to 750 Silicon Valley investors.

Career/ Internship

Upcoming CWEA Student Events -- Virtual Resume Workshop, Interview Practice, and Career Fair

All of these events are hosted by the California Water Environment Association (CWEA) and are FREE to attend.

February 22, 2022 – **Resume Builder Workshop**

In about one week students will have the opportunity to learn tips and tricks from our professional development experts at CWEA. Following a presentation, students will have the

opportunity for tailored feedback to their resumes. [Register for the Zoom call using this link.](#)
[Students can also upload resumes for feedback using this link.](#)

Please, please encourage students to attend this excellent opportunity for professional development growth!

March 29, 2022 – **Practice Interviews**

The CWEA Students & Young Professionals Committee is hosting another unique opportunity before our virtual career fair. During this event, students will be paired with engineering professionals to engage in mock interviews. Students will receive feedback on how to improve their virtual interviewing skills – an increasingly important aspect of securing a job. [Register today for practice interviews using this link.](#)

SAVE THE DATE: March 31, 2022 – **Winter Career Fair**

Save the date! Free registration for students and job seekers. This event will feature many water and environmental companies located within the Bay Area and nationally. A registration link will follow sometime in March.

MS Program in Structural (Civil) Engineering at USC

The CEE Department at USC is still accepting applications for our MS program (Deadline is March 15th). Those interested can apply using the following link
<https://viterbigradadmission.usc.edu/programs/masters/apply/ready-to-apply/>.

City of SF 2022 Summer Student Intern Program

The City and County of San Francisco is seeking student interns for various engineering and architecture disciplines, to provide support to in-house Engineering · Architecture · Landscape Architecture · Planning · Surveying · GIS · IT staff. The City Departments that employ interns are the Airport Commission (SFO), Department of Building Inspection (DBI), Department of Technology (DT), San Francisco Municipal Transportation Agency (SFMTA), Port of San Francisco (Port), San Francisco Public Utilities Commission (SFPUC), Public Works, and Recreation and Park Department (RPD). Interns will gain on-the-job experience under the guidance of experienced professional engineers, architects, planners and surveyors. Interns will participate in various activities in the respective City Departments.

[Register on Handshake](#)

the University of Pittsburgh REU for STEM



2022 ASPIRE application is now available

What do you ASPIRE to be? The mission of HERL is to continuously improve the mobility and function of people with disabilities through advanced engineering in clinical research and medical rehabilitation. The ASPIRE REU program is designed to promote greater involvement and understanding of Rehabilitation Engineering and assistive technology – while fostering an understanding of the problems faced by individuals with disabilities. This results in a greater ability to apply engineering principles to improve the quality of life, which promotes a higher degree of inclusiveness and greater functionality for people with disabilities.

ASPIRE Program dates: May 16, 2022 – July 21, 2022 Rehabilitation engineering employs a systematic approach to the design, modification, customization and/or fabrication of assistive technology for persons with disabilities. ASPIRE research efforts in rehabilitation engineering are focused on identifying and addressing problems critical to achieving and maintaining the highest possible level of function in areas related to mobility, communications, sensory (e.g., hearing, tactile, vision), and cognition and in activities associated with employment, independent living, and education. Each ASPIRE participant will work directly with HERL faculty and graduate students to help transform the lives of individuals with disabilities. The ASPIRE program provides an exemplary mentoring and resourceful environment that enables undergraduate students to transition from dependent to independent thinkers, develop a sense of excitement about entering an engineering or technical field, and be well prepared for their future careers.

ASPIRE provides:

- Seminars and workshops to augment the research experience
- \$4,750 stipend
- Housing is provided at no-cost to ASPIRE participants.

Eligibility:

- Undergraduate students majoring in science, engineering, math, and computer science
- U.S. citizen or permanent resident
- Minorities, women, and veterans are strongly encouraged to apply

FAQ

[2022 Project List](#)

[Past Projects](#)

[Sample Program Schedule](#)

[ASPIRE Program Resources](#)

[Mentor Resources](#)

Genentech Internship Openings Follow-up

The following Genentech Vacaville MSAT Internship positions are posted in Handshake and open for applications extended through 5 pm PST on February 18, 2022. If you could please distribute this information to the students in your organization that would be greatly appreciated. Please note that we will no longer be accepting applications after 5 pm PST on February 18, 2022.

Handshake ID	Position Title
5910116	Intern: Validation
5910075	Intern: Process Automation Infrastructure
5909804	Intern: PLC Automation
5909712	Intern/CO-OP: Manufacturing Sciences Cell Culture Laboratory
5895608	Intern/CO-OP: Manufacturing Sciences Purification Laboratory

Scholarships

USSD Scholarship Award Deadline Approaching

As a reminder, [US Society on Dams' \(USSD's\)](https://www.usdams.org/about/scholarships/) Scholarship Award Deadline is February 28, 2022. If you are applying for a scholarship award from us, please submit your application online at <https://www.usdams.org/about/scholarships/>.

The scholarship award is given annually to students whose academic program and research studies have the potential to develop practical solutions to design and construction challenges related to dams and levees. Applicants must be U.S. citizens or permanent residents enrolled in U.S. academic institutions.