Alexander Hu

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Education

Bachelor of Science | Civil Engineering   Sept 2022 – Expected June 2026

University of California, Davis

High School Degree   June 2022

Dougherty Valley High School

Experience

American Society of Civil Engineers, Davis Chapter   Jan 2023 - now

Secretary Intern   *University of California, Davis - Davis, CA*

> ➢ Assist ASCE Secretary in writing Annual Report and weekly newsletters
> ➢ Participate in event coordination and long-term planning with ASCE Board Members

Caltrans Evacuation Project   Nov 2022 - now

Undergraduate Research Assistant   *University of California, Davis - Davis, CA*

> ➢ Assist Professor Miguel Jaller in collecting evacuation route maps of California jurisdictions for eventual use in creation of a statewide evacuation network GIS database
> ➢ Digitize and categorize emergency plans, safety elements, and evacuation assessments

Construction Management Club   Sept 2022 - now

Sustainable Building Team   *University of California, Davis - Davis, CA*

> ➢ Collaborate with team members in researching sustainable building practices
> ➢ Apply green rating systems towards integrating sustainability into the construction process
> ➢ Awarded 2nd place at 2023 Associated Schools Construction Student Competition

Concrete Canoe Club   Sept 2022 - now

Mixing and Paddling Team Member   *University of California, Davis - Davis, CA*

> ➢ Collaborate with team members weekly in producing, testing, and refining concrete mixes to optimize canoe speed and stability

Norman Mineta Bay Area Summer Academy   July 2022

Intern   *San Francisco, CA*

> ➢ Studied impact of regional public policy on air quality, housing, and environmental justice under Metropolitan Transportation Commission and Air Quality Management District officials.
> ➢ Capstone Project: Awarded 4th place for presentation on how local municipalities can increase active transportation usage through protected bike lanes, zoning reform, and e-bike subsidies.

Awards and Interests

> ➢ **Awards and Honors:** Eagle Scout (April 2021), National Merit Finalist (2022)
> ➢ **Languages:** English, Mandarin Chinese (limited proficiency)
> ➢ **Interests:** Traveling, backpacking, kayaking, reading