



Ivan Yan

Undergraduate | Environmental Engineering Science

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Objective

Seeking research apprenticeship opportunities for Fall 2021 in the Environmental Engineering sector with a strong emphasis on clean water technologies and sustainable energy

Education

University of California, Berkeley

Aug 2020 – May 2024

- B.S., Environmental Engineering Science, 3.91/4.0 GPA
- Intended Double Minor in Computer Science and Philosophy
- Relevant Coursework: Multivariable Calculus, Classical Mechanics, Thermodynamics

Pleasant Grove High School

Aug 2016 – May 2020

- High School Diploma, 4.54 Weighted/3.98 Unweighted GPA, Rank 5/559

Stanford University

Jun 2019 – Aug 2019

- High School Summer College, 4.0 GPA and 8 units college credit
- Completed **Intensive** in Environmental and Water Studies

Experience

Incoming Volunteer Intern, EcoSwell

Jun 2021 – Jul 2021

- Design and implement sustainability projects to develop vulnerable coastal communities in Peru
- Engineer solar distiller prototype, design framework for local wastewater treatment system
- Projects aligned with United Nations Sustainable Development Goals

Legislative Affairs Associate, Office of Senator Sarah Bancroft

Aug 2020 – Present

- Research and write legislation advocating for the environmental community at UC Berkeley
- Craft UC Green New Deal, a UC-wide sustainability framework making climate goals actionable

Extracurriculars

Cal Environmental Team (ASCE), Member

Aug 2020 – Present

- Study water treatment fundamentals and compete in the Mid-Pacific water treatment competition
- Researched an environmental justice project investigating the sustainability of water treatment

ASCE (American Society of Civil Engineers), E-Week Committee

Aug 2020 – Present

- Plan and organize Engineer's Week, introducing over 100 students to career paths in engineering
- Present to a class of 30 students on the real-world applications of engineering in everyday life

Projects

Aeolus Water System, AeolusWater.wordpress.com

Jul 2020 – Dec 2020

- Humanitarian water project addressing water scarcity in arid regions, particular focus on Yemen
- Design and test atmospheric water harvester using desiccants to extract moisture from the air
- Recipient of a \$500 Innovation Catalyst grant, Jacobs Institute for Design Innovation

Accomplishments

CAA Alumni Scholar - The Leadership Award

National AP Scholar

National Merit Commended Student

Skills

Technical: AutoCAD, Inventor, Arduino

Languages: English, Chinese, Spanish

Interpersonal: Communication, Teamwork