

AARON MASIKIP

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EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA

June 2024

Civil Engineering, Bachelor of Science

- Cumulative GPA: 3.525
- Relevant course work: C&EE 153 (Intro to Environmental Engineering Science), C&EE 91 (Statics), C&EE 108 (Intro to Mechanics of Deformable Solids), MS&E 104 (Science of Engineering Materials), GEOG 7 (Intro to GIS), ENV M153 (Intro to Sustainable Architecture & Community Planning)

SKILLS

- Technical Skills: QGIS, Solidworks, & MATLAB experience, Microsoft Office Suite (Word, PowerPoint), Google Software (Docs, Slides, Sheets), type over 85 wpm
- Soft Skills: Proactive in organization and event planning, effective communication and leadership skills on large projects, ability to adapt
- English (Native), Filipino/Tagalog (Intermediate)

RELEVANT EXPERIENCE

UCLA Sustainable LA Grand Challenge | *Undergraduate Student Researcher*

October 2021 - Present

- Conducted tests for fecal indicator bacteria in LA rivers and streams to better understand the distribution of antibiotic resistance genes in the distinct topographical landscape of Los Angeles
- Completed IDEXX testing for E. coli and Enterococcus to enumerate fecal indicator bacteria in water samples
- Modelled Los Angeles rivers & watersheds along with land types using QGIS

Living Coast Discovery Center | *Sustainability Intern*

January 2019 - June 2019

- Maintained and improved two Zero-Waste initiatives at the Living Coast Discovery Center including decreasing energy consumption in office spaces as well as managing the City of Chula Vista's Master Composter Program
- Completed waste audits for more than 10 large-scale zero-waste events for Living Coast Discovery Center's end of the year report
- Constructed an intern project focused on environmental consciousness within schools and gave a proposal to the Sustainability Manager on-site on how to implement sustainability in an academic setting
- Led weekly educational workshops on composting and zero-waste to 30 participants
- Led off-site and on-site zero waste events with the responsibility of teaching volunteers on how to organize waste between trash, recycle, and compost
- Aided in maintenance of on-site compost garden by collecting organic waste, and turning/sifting 8 compost piles

LEADERSHIP EXPERIENCE

- Project Engineer for the ASCE (American Society of Civil Engineers) Environmental Design team, included modeling bioretention basin BMPs (Best Management Practice) and researching ecosystem services of bioretention basins
- External Vice President & Programming Director of Renewable Energy Association responsible for organizing and leading educational, social, and career development events
- Organizer as a part of the Youth v. Oil campaign of climate action group San Diego 350 to facilitate events focused on educating local youth on the impact of the oil industry and encourage political action with bills such as AB345
- Volunteered with Living Coast Discovery Center for over 300 hours to lead cleanups around the county, ensure guest safety in the non-profit zoo/aquarium, and be an ambassador for the non-profit at local community events
- Member: Solar Decathlon, ASCE (American Society of Civil Engineers), Bruin Home Solutions, Renewable Energy Association

CERTIFICATIONS

- LEED Green Associate certification for green building practices and principles
- Certified in Heatspring Building Science Education Series concentrated on zero energy buildings, environmental implications, and overall building design

HONORS & AWARDS

- American Society of Civil Engineers Pacific Southwest Conference 2021 Environmental Design Technical Event - First Place
- American Society of Civil Engineers Pacific Southwest Conference 2021 Sustainability Technical Event - Third Place
- City of Chula Vista Youth Sustainability Champion Award 2019