

# ALEX J. MILWARD

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## Education

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### **Bren School of Environmental Science & Management – UC Santa Barbara**

Master of Environmental Science and Management – Expected June 2021

*Specialization in Conservation Planning*

*Specialization in Water Resources Management*

*Focus in Environmental Data Science*

### **University of California, Santa Barbara**

Bachelor of Science - Environmental Studies and Physical Geography – March 2018

Awards: Outstanding Achievement in the Geography Major

## Sustainability Experience

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### **Department of Environmental Health and Safety, University of California Santa Barbara**

Principal Hazardous Waste Technician – 7/18 – 8/19

Senior Hazardous Waste Technician – 5/17 – 7/18

Student Hazardous Waste Technician – 5/16 – 5/17

- Managed and helped direct a team of 7-10 employees conduct the operations of UCSB's Household Hazardous Waste Program
- Established communication and working relationships between 20+ small businesses and the Household Hazardous Waste program to help properly dispose of commercial hazardous waste
- Analyzed waste stream and coordinated the shipping of 5000-20,000 lbs. of hazardous waste per week in accordance with EPA, DOT, and California Department of Toxic Substance Control regulations
- Synthesized monthly reports for the County of Santa Barbara regarding community hazardous waste disposal rates and trends
- Promoted twice during my tenure from student worker to Senior Technician to Principal Technician

### **King Biogeochemistry Lab, University of California Santa Barbara**

Research Assistant – 9/17 – 3/18

- Spearheaded and carried out the methodology for measuring the bulk density of soil samples from North Campus Open Space, formerly Ocean Meadows Golf Course in Goleta, CA
- Conducted carbon and nitrogen combustion analysis on pre-restoration soil to establish a baseline for the wetland's capacity to sequester atmospheric gases
- Collaborated with team of researchers to acquire and record 200+ individual soil samples

## Additional Experience

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### **Congressional Office of Representative Sam Farr, Santa Cruz, CA District 20**

Congressional Intern – 6/15 – 8/15

- Served as liaison for Congressman Sam Farr and communicated with constituents regarding local California central coast issues
- Communicated and raised awareness regarding controversial or complex legislative happenings, including the divisive Trans Pacific Partnership trade deal of 2016, to residents of CA District 20
- Collaborated with other interns to craft weekly media reports composed of current events of which Congressman Farr should be aware

## Skills

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- Proficient in ArcMap/ArcPro
- Proficient in .R and RStudio data software
- Research
- Microsoft Office
- Technical Writing