

Ethan Mathews

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EDUCATION

University of California, Santa Barbara (UCSB)
Bachelor of Arts (B.A.), Environmental Studies,
Cumulative GPA: 3.97

Santa Barbara, CA

September 2023 - June 2025

Mira Costa Community College (MC)
Associate degree in Math and Science
Cumulative GPA: 3.937

Cardiff, CA

August 2020 - June 2023

Relevant Coursework

Environmental Impact Analysis (A & B)

- Project description, environmental setting, impact, mitigation measures and reporting plan, cumulative impacts, and alternatives in accordance to CEQA focusing on resources like biological, air quality, water quality, transportation, and environmental justice.
- Analyzed hypothetical development project components throughout Southern and Central California by incorporating published environmental data and personal field observations to assess project impacts.
- Crafted concise technical reports tailored to various environmental stakeholders and planning agency standards which ensured clarity and compliance.
- Wrote a focused environmental impact report featuring biological resources that was a part of a mixed use faculty and classroom project located in a environmental sensitive habitat UCSB campus point open space.
- By effectively communicating findings and addressing stakeholder concerns I improved my public presentation skills by crafting and responding to my peers with letter of comments.

Environmental Law

- Developed a foundational understanding of constitutional principles and federal environmental laws, including their ethical, cultural, and legal foundations, enhancing comprehension of environmental regulation.
- Analyzed administrative and judicial processes in environmental policy and litigation, strengthening overall understanding of agency roles and the roles they play in regards to implementing a statute.
- Engaged and facilitated meaningful discussions with guest lecturers from various environmental agencies in the Santa Barbara area, enhancing understanding of coordination with state and federal agencies..
- Enhanced legal analysis and critical thinking skills by evaluating environmental law case studies and assessing their impact on regulatory compliance and agency decision-making.

Geographic Information System (A, B, and C)

- Led a team to develop and execute multiple comprehensive GIS projects, demonstrating strong leadership and collaboration skills that resulted in successful presentations to the professors and peers.
- Applied GIS skills to research questions and spatial analysis tasks to increase proficiency in handling complex geographic problems, improving decision-making based on statistical analysis.
- Analyzed digital geographic data using algorithms and analytical procedures to improve spatial analysis accuracy, resulting in more precise data interpretation.
- Investigated technical GIS issues, including modeling approaches and fitting models, to enhance problem-solving in spatial data analysis, leading to improved data handling efficiency with the most optimal approach.

RELATED WORK EXPERIENCE

Research Assistant to PhD Candidate in the Perrone Lab

- Conducted outreach to over 150 well drillers, collecting valuable data on drilling practices, pricing, and materials used, contributing to research on groundwater basins.
- Managed well driller survey process, including scheduling calls, tracking responses, and organizing data for efficient follow-up and analysis.
- Collaborated with team members to review literature and refine survey questions, enhancing communication strategies with industry professionals.
- Gained experience in professional communication and project management, adapting to various response styles and improving engagement with key stakeholders

Member, Environmental Agency Board (EAB)

- United as a group to assess current environmental incidents and discuss how the organization can support various causes.
- Organized local outings to ignite community engagement to adequately convey what the organization aimed to improve while further sharing its impact with nearby communities.
- Furthered the group's local ecological knowledge, which helps the community understand ecological interactions that have benefited natural resource use.

Member, Environmental Law Club (ELC)

WORK EXPERIENCE

Manager, Encinitas Fish Shop, Encinitas

June 2021-Present

- Displayed a show of leadership among 20 employees and always rose to the occasion, resulting in a promotion to a management position within the first year of employment.
- Prioritize customer satisfaction by managing a dynamic and high-pressure setting and achieving daily sales exceeding \$25,000.
- Navigate challenging customer interactions and varied restaurant incidents, sharpening expertise in conflict resolution and the diplomatic management of difficult situations.
- Collaborated with management to improve team efficiency by reinforcing procedural compliance and optimizing staff performance, resulting in a reduction of labor costs from 25% to 15%.

EXTRACURRICULAR INVOLVEMENT

Intramural Sports (Basketball & Soccer)

Member of the National Ground Water Association (NGWA)

SKILLS

Languages: Spanish (Intermediate)

Technical Lab Techniques: Data analysis, technical writing, field sampling techniques (GrayWolf particulate meter, Oakton Probe, Ion-Selective Electrode, and Colorimeter)

Software: Proficient with Geographic Information Systems as well as the programming softwares Python and R.

At the end of the interview, if they ask how you managed the program, always say that at the end you "Reviewed the effectiveness of actions taken."