**Emily Miller**

(xxx) xxx-xxxx | | brennie.github.io | GitHub | LinkedIn | Santa Barbara, CA

**EDUCATION**

Master of Environmental Data Science, 4.00 GPA (Expected June 2026)

Bren School of Environmental Science and Management, University of California, Santa Barbara (UCSB)

• Real Analysis (MATH 118A, 118B, 118C)

• Linear Algebra (MATH 108A, 108B)

• Numerical Analysis (MATH 104A) in progress

Bachelor of Science in Applied Mathematics, 3.67 GPA (June 2025)

University of California, Santa Barbara (UCSB), Goleta, CA

Highlighted Coursework:

**Bachelor of xxxxxxxxxx in xxxxxxxxxx**, X.XX GPA (Month Year)

**University Name (acronym if applicable)**, location city, state

Honors/Awards:

Leadership/Involvement:

Sacramento City College, Sacramento, CA

Associate of Science in Mathematics, 4.00 GPA (June 2022)

**RELEVANT EXPERIENCE**

Research Assistant, WAVES Lab, UCSB, Goleta, CA (2024 to Present)

* • Apply statistical and numerical methods to validate agricultural water and land use datasets
* • Develop Python analysis code for satellite imagery and other remotely sensed data
* Outreach Officer, Women in Science and Engineering (WiSE), UCSB, Goleta, CA (2024 to Present)

• Coordinate a mentorship program supporting more than 130 undergraduates in STEM

• Direct outreach to increase diversity in quantitative sciences

* BEL Fellow, Bren Environmental Leadership Program, UCSB (Summer 2024)
* • Researched irrigation patterns in Sub Saharan Africa using satellite data
* • Built statistical frameworks and visualizations for spatial relationships

• Presented at academic venues including AGU Fall Meeting, managed timeline and deliverables

**ADDITIONAL EXPERIENCE**

IV Recovery, Community Initiative, Goleta, CA (2023 to Present)

Lead biweekly coastal cleanups, and build community engagement to normalize stewardship.

Tutor, Davis, CA (2020 to 2023)

Tutored mathematics from elementary through college, supported GED preparation with individualized plans.

Emergent Brilliance, Leadership Immersion Program, Marthas Vineyard, MA (Summer 2022)

Studied leadership and wellbeing through biomimicry, built website and structure for an environmental education non profit.

**Technical:**

**Certifications:**

**Affiliations:**

**Activities:**