

Emily Yarvis

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Education:

California Polytechnic State University, San Luis Obispo (Cal Poly)

Bachelor of Science: **Computer Science** expected June 2027, Planned Concentration: **Privacy/Security**

Relevant coursework includes: **Data Structures**

Portland State University, Portland Oregon | **Dual Credit Program**

September 2021- June 2023

Relevant coursework includes: **Java Programming** and **C++ Programming & Data Structures**

Technical Skills:

- Extensive knowledge and experience with the following:
 - **Languages:** Python, Java, C++, HTML, Javascript
 - **Operating Systems:** Linux, Windows, MacOS
 - **Software Tools:** VScode, Git, LaTeX, Pandas, NumPy, Matplotlib

Computer Science Experience:

Research Intern, Institute for Computing in Research

July 2023 - August 2023

Portland, OR

- Conducted research internship under the mentorship of Mohit Dubey, a UC Berkeley Ph.D. student.
- Utilized Python, Linux, and exclusively open-source software tools for data analysis
- Analyzed data sourced from EJ Screen, an online platform developed by the Environmental Protection Agency using python libraries such as: NumPy, Pandas, and Matplotlib
- Investigated correlations and relationships among environmental and demographic factors in order to explore the prevalence and patterns of environmental discrimination across the United States
- Utilized Git to communicate progress to mentor and LaTeX to produce a formal report on the project

Leadership and Involvement:

- **Member**, Cal Poly CS + AI Club
- **Member**, Cal Poly Society of Women Engineers
- **Member**, Cal Poly Women in Software and Hardware

Other Experience:

- **Math Tutor**, Best In Class Education (2023) February 2023 - Present
- **Organized Community Based Environmental Club** September 2021 - June 2023
 - Organized bi-monthly recycling drives to collect styrofoam and #6 plastics and recycled approximately 35,000 lbs of total material
 - Lead on community outreach, designed website to better engage community in our efforts

Honors and Awards:

- **NCWIT Aspirations in Computing Affiliate Award** February 2023