

Mary Laska

marylaska@berkeley.edu | <https://www.linkedin.com/in/marylaska2/> | Berkeley, CA

University of California, Berkeley

Computer Science, BA and Environmental Economics & Policy, BS GPA: 3.99/4.00 | Graduating May 2027

Skills: R, Python, Java, Angular, Django, Pandas, AWS, SQL, HTML, CSS, UX/UI, Figma, Javascript, Terraform

Certifications: AWS Certified Cloud Practitioner

WORK EXPERIENCE

Federal Reserve Bank of San Francisco, Software Engineer Intern May 2025 — August 2025.

- Built a Grafana dashboard integrated with CloudWatch Logs to monitor the real-time health of 7 critical integration APIs, improving observability and operational reliability for internal users.
- Developed automated infrastructure using AWS EventBridge and SSM Automation to detect changes in AWS Secrets Manager and summarize failing Trusted Advisor checks; provisioned via Terraform for reproducible deployments.
- Engineered a cross-account ACM certificate-expiry scanner using Lambda and S3 to aggregate certificate data across environments, eliminating the need for manual console checks and significantly reducing operational monitoring time.
- Enhanced CloudOps documentation by refining and migrating runbooks and playbooks into Confluence for the ITS CashADS team. Monitored GitLab CI/CD pipelines, tracked tickets in Jira, and delivered stakeholder reports.

UC Berkeley, Statistics Group Tutor January 2024 — Present.

- Lead weekly office hours and assist 700+ students with statistics concepts and R in *Intro to Probability & Statistics*.

Oakland Natives Give Back, Data Science Intern September 2024 — May 2025.

- Developed Random Forest and logistic regression models to predict students at risk of chronic absenteeism— enabling proactive interventions and a projected 25% reduction in target schools.
- Applied BERT and T5 to classify and summarize teacher notes, integrating qualitative insights into risk models for more comprehensive early-intervention strategies.
- Delivered insights to stakeholders via visualizations (Matplotlib, Seaborn) and model evaluations.

Carbon Sustain, Full Stack Software Engineer Intern May 2024 — August 2024.

- Co-developed a GenAI-powered platform to extract and display scope 1, 2, and 3 emissions data for S&P 500 companies by web scraping sustainability reports and applying OCR with OpenAI's API for text parsing. Used Retrieval-Augmented Generation (RAG) to locate and identify emissions figures from unstructured context.
- Reduced redundant OpenAI calls and improved performance by caching parsed responses in a MySQL database, cutting load times by 30% and minimizing API costs.
- Managed backend storage and retrieval using AWS S3, enabling secure access to hundreds of processed sustainability reports and financial documents.

PROJECTS

2D Survival Game

- Developed a 2D survival game in Java featuring world generation, player interactivity, and save/load capabilities.
- Implemented survival mechanics, custom tilesets, and an intuitive user interface.

EXTRACURRICULAR ACTIVITIES

Berkeley Math Tournament, Tournament Director & Head of Finance August 2023 — Present.

- Directed the 30+ person logistics team to organize multiple 1,000+ participant math competitions, coordinating meetings, timelines, and cross-team collaboration for smooth event execution.
- Led a five-person finance team to manage a \$50,000+ annual budget, oversee accounting and tax filings, and maintain the organization's 501(c)(3) nonprofit status.
- Secured over \$25,000 in sponsorships for 2024–2025 and maintained partner relationships through newsletters and outreach.

Optimr Consulting, Project Manager September 2023 — December 2024.

- Managed a team of 4 to implement marketing strategies and a website redesign for a ADHD counseling startup.
- Created a go-to-market plan for expansions of a water heater company's operations from the Bay Area to the LA area, increasing their market reach and revenue potential.
- Advised Quokka Brew on market entry strategies for their new energy drink products, including conducting surveys and sampling of over 100 energy drink samples on the UC Berkeley campus.

Awards and Honors: Girl Scout Gold Award, The Mulvaney STEM Scholarship, Dean's List