

# Keith Curry

<https://www.linkedin.com/in/keithcurrysf/> | <https://github.com/Keiferton/> | [kcurry@keifh.com](mailto:kcurry@keifh.com)

## EDUCATION

### San Francisco State University (SFSU)

San Francisco, CA

Double Major: BS in Computer Science, BA in General Biology, GPA: 3.73

Expected Dec 2025

Awards: 1st Place: CoSE Research Competition, NIH URISE Scholarship, Genentech Foundation Scholarship

## TECHNICAL SKILLS

**Programming Languages:** Python, Go, Java, C/C++, JavaScript, HTML/CSS, R

**Tools:** Git, VS Code, Docker, Helm

**Infrastructure & Platforms:** Kubernetes, ArgoCD, Kyverno, Conftest, GitOps, Prometheus, Fusion360, Shapr3D

## WORK EXPERIENCE

### Fastly

San Francisco, CA

Software Engineering Intern (Cloud and Container Services)

May 2025 – Aug 2025

- Migrated Kubernetes clusters from Flux to ArgoCD, improving deployment consistency via GitOps workflows
- Developed compliance tool (Pol Patrol) to monitor Kyverno and Conftest policy adoption across platform clusters

### SFSU: Lam Family College of Business

San Francisco, CA

Makerspace Technical Program Mentor

Feb 2024 – Present

- Train and mentor student entrepreneurs in fabrication tools and ensure safe, efficient makerspace practices
- Lead workshops & coach students in programming, computing, and interdisciplinary project collaboration

### SFSU: Esquerra Lab

San Francisco, CA

3D Design, Bioengineering Lab Researcher

Apr 2023 – Present

- Convert 3D printers into microscopes to study microorganisms, reducing reliance on animal models in research
- Engineered an infrared (IR) light pad to illuminate photosensitive subjects, mitigating disruptions from visible light

## PROJECTS

### Policy Compliance Dashboard (Pol Patrol) (Go, Kyverno, Conftest, Prometheus, Kubernetes)

- Built from scratch with input from end-users (team) to visualize policy compliance across hundreds of workloads
- Aggregated Prometheus metrics to track continuous integration (CI), delivery (CD) and runtime policy compliance

### Robocam V2 (Python, Git, Fusion360, Shapr3D)

- Designed replacement parts after printer model discontinued; wrote autofocus algorithm for clearer images
- Presented at 5 conferences and solution adopted by UCSF and Clemson research labs
- Enabled continued research by delivering a next-gen system to collaborating labs

## LEADERSHIP AND PROFESSIONAL DEVELOPMENT

### 3D Printing and Design Club at SFSU

San Francisco, CA

President and Founder

May 2024 – May 2025

- Led fundraising initiative to raise \$2000 in 24 hours to send members to maker conferences
- Founded and led club teaching 3D printing and design; grew printers from 3 to 16 to expand access

### Association for Computing Machinery/SF Hacks

San Francisco, CA

Outreach Chair/Sponsorship Chair

Apr 2023 – May 2025

- Raised \$20k+ in hackathon sponsorships and led donation effort to fully furnish a collaborative CS workspace
- Mentored 15 officers while organizing workshops, career fairs and hackathons with partners (Roblox and GitHub)
- Led initiative to form career advisory board of industry pros to expand student career resources for 1700 students

### OpenAI

San Francisco, CA

ChatGPT Lab Member

Mar 2025 – Present

- Selected for inaugural cohort shaping how students globally learn and use ChatGPT through peer sessions
- Contributed student use cases featured in ChatGPT for Edu's book *100 Chats for Studying, Career, and Life*

### Management Leadership for Tomorrow

San Francisco, CA

Career Preparation (CP) Fellow, Campus Recruiting Captain

Apr 2024 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to build leadership and technical skills

## INTERESTS

Gaming, 3D Printing, STEM Education, Mechanical Puzzle Design, DIY Solutions, Robotics, Open-Source Projects