

Keith Curry

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EDUCATION

San Francisco State University (SFSU)

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

Awards: 1st Place: CoSE Research Competition, NIH URISSE Scholarship, Genentech Foundation Scholarship, Dean's List

San Francisco, CA

Expected Dec 2025

TECHNICAL SKILLS

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

Tools: Git, VS Code, Docker, Helm, Fusion360, Shapr3D

Infrastructure & Platforms: Kubernetes (K8s), ArgoCD, Kyverno, GitOps, Prometheus

WORK EXPERIENCE

Fastly

Software Engineering Intern (Cloud and Container Services)

San Francisco, CA

May 2025 – Aug 2025

- Migrated Kubernetes clusters from Flux to ArgoCD, improving deployment consistency via GitOps workflows
- Developed Pol Patrol to monitor Kyverno adoption across clusters, enhancing compliance visibility
- Reduced workload policy audits ~98% by replacing 15-minute manual sweeps with 20-second automation

OpenAI

ChatGPT Lab Member

San Francisco, CA

Mar 2025 – Present

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

SFSU: Lam Family College of Business

Makerspace Technical Program Mentor

San Francisco, CA

Feb 2024 – Present

- Mentored entrepreneurs on fabrication tools and safe, efficient makerspace operations
- Led workshops & coached students in programming, computing, and interdisciplinary project collaboration

SFSU: Esquerro Lab

3D Design, Bioengineering Lab Researcher

San Francisco, CA

Apr 2023 – Present

- Converted 6 3D printers into microscopes to reduce reliance on animal research models
- Engineered IR light pad to image photosensitive organisms without visible-light stress

PROJECTS

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

- Built Go tool to query Kubernetes/Kyverno APIs for 6 compliance fields across hundreds of production workloads
- Integrated Prometheus to surface CI/CD/runtime compliance metrics in real-time dashboards

Robocam V2 (Python, Git, Fusion360, Shapr3D)

- Designed hardware and wrote autofocus algorithm for clearer microscope imaging
- Adopted by UCSF and Clemson labs; presented at five academic conferences
- Enabled continued research by delivering next-gen system to partner labs

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

3D Printing and Design Club at SFSU

President and Founder

San Francisco, CA

May 2024 – May 2025

- Raised \$2k in 24 hours to send members to national maker conferences
- Founded and led club teaching 3D printing and design; grew printers from 3 to 16 to expand prototyping access

Association for Computing Machinery/SF Hacks

Outreach Chair/Sponsorship Chair

San Francisco, CA

Apr 2023 – May 2025

- Raised \$20K+ in hackathon sponsorships; furnished new collaborative CS workspace
- Mentored 15 officers; partnered with Fastly, Roblox, and GitHub for events and career fairs
- Formed career advisory board to expand student career resources for 1,700 peers

Management Leadership for Tomorrow

Career Preparation (CP) Fellow, Campus Recruiting Captain

San Francisco, CA

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