

Katie Trinh

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Education

University of Oregon (Eugene, OR)

Sep. 2022 - June 2026

Major in Computer Science | Minor in Mathematics and Minor in Psychology
GPA: 3.65/4.0 Unweighted

Technical Skills

Languages: Python, Go, C, C++, JavaScript, HTML/CSS

Software Engineering: Flask, REST APIs, AJAX, Firebase/Firestore, MongoDB, Docker, Git/GitHub, Agile/Jira

Cybersecurity: Incident Response, Phishing Analysis, Malware Analysis, IOC Triage, Threat Intelligence, SIEM/Log Analysis, Endpoint Security, Network Security, Vulnerability Assessment

Security Tools & Platforms: Wireshark, Shodan, VirusTotal, Windows Defender, Microsoft 365 Security, Proofpoint, Duo Admin, Elastic, Azure

IT & Security Operations: Ticket Triage, Access Control Systems, Surveillance Systems, Technical Documentation, Cross-Team Support

Experience

University of Oregon (Eugene, OR)

Security Student Analyst I

Jan. 2025 - Oct. 2025

- Provided Tier 1 security support for ISO-backed services on a team of 9 student analysts and 2 full-time staff, coordinating with campus IT units to resolve roughly 200 monthly tickets involving endpoint compromises, malware alerts, phishing investigations, and security tool misconfigurations
- Correlated log data, identified indicators of compromise (IOCs), and documented containment and remediation steps to support incident response handoffs and improve investigation continuity

Security Systems Specialist

May 2023 - Dec. 2024

- Supported access control and surveillance systems for 4,200+ students, staff, and affiliates across 13 residence halls and graduate/family housing, resolving 100+ monthly tickets related to wireless locks, ID cards, entry control, and camera issues
- Monitored and maintained 200+ security cameras while collaborating with campus service centers, help desks, housing teams, and a 4-person security systems team to troubleshoot residential access and surveillance incidents

Epiq (Portland, OR)

Data Entry Clerk

Sept. 2021 - July 2022

- Entered, verified, and maintained large volumes of data with a high level of accuracy, ensuring data integrity and confidentiality
- Utilized Microsoft Excel and other internal tools to organize, analyze, and support efficient data processing and reporting

Projects

Golang Malware Analysis and C2 Framework

CS433: Computer and Network Security

- Collaborated with a 3-person team to develop and evaluate a Golang C2 malware framework using gRPC, Protobuf, and Garble, testing detection evasion, reverse engineering resistance, and cross-platform deployment with VirusTotal, Windows Defender, and Wireshark
- Compared Go-based malware behavior against traditional C-based frameworks such as Sliver, using Ghidra analysis to identify AV limitations, reverse engineering challenges, and defensive gaps against Go-specific threats

Deschutes Hall Room Reservation Website

CS422: Software Methodology

- Collaborated with a 4-person team to build a Flask/Firebase room reservation platform for Deschutes Hall, supporting guest, student, faculty, and admin workflows across booking, calendar, map, and admin views
- Implemented Firestore-backed All Bookings and Calendar views, 30-minute and all-day/repeat scheduling, conflict detection with next-available-time suggestions, login-gated booking creation, email autofill, and admin search/edit/cancel tools

Leadership and Outreach

University of Oregon (Eugene, OR)

Women in Computer Science Club

Dec. 2023- June 2026

President (June 2025 - June 2026), Secretary (June 2024 - June 2025), Executive Board Member (Dec. 2023- June 2024)

- Lead a 7-member executive board in planning 10 weekly meetings per term, including technical workshops, guest speakers, career panels, and community-building events for 50+ students
- Coordinate cross-club events such as Tech Together, Stepping on Business, and career panels with 20+ student organizers to expand networking, professional development, and inclusion for underrepresented students in computer science

NICE (Nurturing Inclusive Cybersecurity Education) Program Ambassador

Jan. 2025 - Mar. 2025

- Delivered cybersecurity outreach presentations to local high school students, using hands-on demos to teach password security, phishing awareness, and foundational security concepts
- Developed digital equity outreach resources for underrepresented youth exploring cybersecurity careers