

Adam Cheung

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Education

California State Polytechnic University, Pomona <i>B.S. Computer Science, Minor in Cybersecurity</i>	Expected Graduation: May 2026
	GPA: 4.0

- Dean's List 2022-Present, President's Honor List 2022-Present
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Projects & Experience

California State Polytechnic University, Pomona (CPP) <i>IoT Device Fingerprinting Researcher</i>	Pomona, CA June 2025 - Present
<ul style="list-style-type: none">• Achieved 92% mean accuracy fingerprinting IoT devices in complex network environments by building and tuning ML classifiers (Random Forest, SVM-RBF, XGBoost, KNN).• Analyzed datasets with over 2 million packets in Python and engineered wavelet-based features, boosting model accuracy by up to 45%.• Earned 2nd Place at CPP's 2025 Cybersecurity Awareness Fair for presenting research in the Poster Competition.	
California State Polytechnic University, Pomona (CPP) <i>NSF Cybersecurity Lab Development Intern</i>	Pomona, CA September 2025 - Present

- Designed and validated hands-on cybersecurity labs for the CIS curriculum, integrating SOC/SDC infrastructure to teach IDS/IPS, firewalls, and packet capture.
- Partnered with faculty to assess lab architecture and delivered recommendations that improved resilience and student usability.

Cybersecurity Study & Training

SWIFT Club, HackTheBox, & TryHackMe	August 2024 - Present
<ul style="list-style-type: none">• Completed advanced labs and virtual challenges through CPP's SWIFT Club, HackTheBox, and TryHackMe, strengthening proficiency in Metasploit, Splunk, and Active Directory.• Practiced incident response, log analysis, and privilege escalation in sandboxed environments to reinforce red and blue team methodologies.	

Certifications

CompTIA Security+	August 2024 - August 2027
CompTIA Network+	May 2025 - May 2028

Competitions

Collegiate Cyber Defense Competition (CCDC)	September 2025 - Present
<ul style="list-style-type: none">• Placed 1st in CPP's CCDC Team tryouts, earning selection to represent the university in regional network defense competitions.• Configured and secured enterprise-grade service including Active Directory, SIEM, and MariaDB while maintaining uptime, access control, and threat visibility under live attack.• Operated within a simulated corporate IT environment mirroring real business infrastructure to strengthen incident response, system administration, and teamwork under pressure.	