

Education

California Polytechnic State University (Cal Poly), San Luis Obispo (SLO)  
B.S. Computer Science, concentrating in Security Graduation: June 2021

Work Experience

Software Development Engineer Intern (Security), GoDaddy (Remote) June—September 2020

- Automated on-demand analysis/reporting of CVE impacts on potentially-affected infrastructure.
- Utilized Mitre ATT&CK’s STIX implementation to relate techniques, tactics, and mitigations with relevant CVE exploits and their supporting classifications/weaknesses in Go.
- Created a Go library to retrieve detailed information for CVEs, CPEs, and CAPECs from NIST’s and CIRCL’s APIs.
- Enriched IP and domain-related IOCs using Shodan data for internal team tools.

Junior Security Operations Center Analyst, Cal Poly (SLO) October 2019—Present

- Triaged student and staff-submitted phishing emails and suspicious user account network activity.
- Achieved proficiency in Splunk by creating alerts, advanced dashboards, and workflows and completed Splunk Fundamentals I.
- Automated daily analysis tasks using Splunk Phantom playbooks and custom developed integrations/apps.

Threat Research Intern, BlackBerry Cylance Inc. (Irvine, CA) June—September 2019  
Stuart McClure — CEO Executive Circle Summer Internship Program June—September 2018

- Developed an advanced automation framework to validate and test team-developed EDR rules against malicious/trusted binaries, using Jira.
- Created an EDR rule validation Python tool for team use and consumer submission validation.
- Contributed towards mitigating the MITRE ATT&CK Framework with custom EDR rules.
- Learned advanced static/dynamic malware analysis techniques and Metasploit hacking skills.
- Enriched malicious hashes with family classification data using VirusTotal and internal APIs.

Proficient in		Familiar with	Have used	
Python	Go	Security Automation	Splunk	Splunk Phantom
C	Regex	Malware Analysis	Metasploit	Wireshark
REST APIs	Networking	VLANs	pfSense	Ubiquiti
		Web Scraping	VMware ESXi	Docker
			Python Flask	LATEX

White Hat Cybersecurity Club

- Malware Tech Team Lead Fall 2019—Present
- SysAdmin Spring 2019—Present
- Webmaster Spring 2018—Spring 2019
- Gave technical talks on Virtualization Security, Malware Analysis, Web Server Security, Security Question Security, Intro to Networks and the Internet, DNS and DNS Security, All About VLANs.

Relevant Coursework

Computer Security	Wireless Security	Binary Exploitation
Computer Networks	Systems Programming	Computer Architecture
Operating Systems	Programming Languages	Cryptography
	Technical Writing	