Phone: (310) 497-5424
Email: msolaro@iastate.edu

Max D. Solaro

WORK EXPERIENCE

Penetration Tester   **August 2020 – May 2021**

Iowa State University and Dwolla – Ames, IA

- Conducted a penetration test for Dwolla, headquartered in Des Moines, IA
- Worked in a group of 7 students to evaluate Dwolla's public dashboard and API for security vulnerabilities
- Utilized Pentesting tools such as BurpSuite and OwaspZap to analyse requests to the webapp
- Wrote professional documentation following PTES guidelines for vulnerability remediation
- Project Documentation and Website: **www.maxsolaro.tk**

IT Security Engineering Intern   **May 2020 – October 2020**

Hy-Vee – Grimes, IA

- Utilized SOC tools such as Splunk, FireEye, and Rapid7 to monitor for threats
- Triaged flagged endpoints, investigated issues, and deployed fixes remotely
- Worked to maintain security operations within Hy-Vee
- Reviewed internal firewall ACLs for PCI compliance
- Established and maintained internal simulated phishing attacks
- Maintained email and firewall security rules and regulations

College of Engineering Teaching Assistant   **August 2019 - May 2021**

Iowa State University – Ames, IA

- Assisted in the process of creating and deploying labs for Cyber Security Engineering 331 - Application of Cryptographic Concepts to Cyber Security
- Independently ran lab sections and office hours

Instructor - Cyber Security Lab: Encryption and Steganography   **June 2019 – August 2019**

iD Tech Coding and AI Academy – MIT - Cambridge, MA

- Taught roughly 40 students over 8 weeks python and programming concepts
- Covered classic and modern encryption techniques including RSA and AES

EDUCATION

Iowa State University   **January 2017- May 2021**

Bachelor's of Science in Cyber Security Engineering

SKILLS

- Fundamental understanding of programming concepts including algorithm runtimes and potential security issues such as CWEs
- General scripting knowledge in Powershell, Bash, and Python
- Knowledge of Networking concepts including TCP/IP and OSI as well as common protocols ARP, DNS, HTTP/S, DHCP
- Familiar with pentesting tools such as Burp, Zap, nmap, and many tools native in Kali / ParrotOS
- General syntax knowledge in Java, Python, and C

RELEVANT COURSES:

- CYBSC 536: Computer Network and Forensics
- CYBSC 430: Network Protocols and Security
- CYBSC 530: Cryptography
- CPRE 421: Software Analysis and Verification for Safety and Security