

MARK ANDERSON

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EDUCATION

Bachelor of Science in Computer Science

Missouri University of Science & Technology

August 2015 - May 2020

SKILLS

Programming Languages

C++, Python, Java, C, HTML/CSS, Go, Bash, SQL

Industry Experience

Penetration Testing, Network Analysis, Software Engineering, Encryption
Security Orchestration and Automation, REST, Reverse Engineering

Tools

Metasploit, Kali Linux, Docker, Kubernetes, Swimlane,
NPView, Maven, Make/CMake, Valgrind, GDB, Ghidra

WORK EXPERIENCE

1898 & Co.

Cybersecurity Analyst

August 2020 - Present

Kansas City, MO

- Designed a high availability, geographically dispersed Security Orchestration and Automation solution.
- Implemented custom SOAR integrations using Python to interface with various security APIs.
- Conducted cybersecurity assessments for Operational Technology and Informational Technology environments.

CinemaCraft LLC

Senior Software Engineer

November 2020 - February 2021

Remote

- Spearheaded development for assets that generated !REPLACEMEDADDY! unique views and over \$150,000 in profit.
- Developed in a large enterprise Java codebase utilizing various build automation tools for compilation.
- Managed multiple departments to package up assets and resources into a final deliverable on a weekly deadline.

Burns & McDonnell

Cybersecurity Intern

May 2019 - August 2020

Kansas City, MO

- Assisted in the building of networking infrastructure for a large scale Radiation Detection and Instant Alert System.
- Facilitated processes and procedures for vulnerability assessments and network analysis services/.
- Utilized popular security toolkits and software such as OpenVas, Nessus, and Vulninator.

National Informative Solutions Cooperative

Software Engineering Intern

May 2018 - August 2018

Lake Saint Louis, MO

- Automated and streamlined the majority of the Software Development team's quality assurance workflow.
- Developed quick turn around customer change requests in PL/SQL, Cobol, and Java applications.
- Managed an enterprise database of production records in Oracle Database and Oracle Cloud Infrastructure.

Parallel Computing Research Assistant

Researcher

May 2016 - August 2016

Rolla, MO

- Simulated parallel processes for a one-dimensional rule-based cellular automata non-qubit quantum adder
- Developed multithreaded algorithms in CUDA and C++ for parallel simulation.
- Setup an air gapped development environment and distributed machine images for secure development

VOLUNTEER EXPERIENCE

Microsoft TEALS

Teaching Assistant

August 2020 - Present

Remote

- Computer Science professional resource for teaching assistance in underprivileged high school districts.