

Experience

Software Security Intern

Synopsys; Online/Bloomington, IN
Summer 2020–Present

- Automated report comparison for AB-testing initiatives, reducing manager analysis time by 40% per assessment (across AppScan/Burpsuite/DOCX).
- Designed & implemented a Tableau storyboard for senior managers & C-level employees to track quarterly trends from recorded assessments.
- Aggregated and compared assessment data across Netsparker, AppScan, and Burpsuite to generate a comprehensive report on application findings.

Privacy/Risk Consulting Intern

RSM US LLP; Chicago, IL
Summer 2019

- Provided consulting services to senior IT management through security audits, compliance audits, & IT general controls.
- Report drafting & compliance controls testing for HITRUST, SAP-AA FedRAMP procedures, & security testing.
- Engineered VBasic macros & PowerShell scripts to automate drafting/draft handling in Excel.

Undergraduate Instructor: Python

IU; Bloomington, IN
Fall 2018–Spring 2020

- Developed & maintained Python scripts to facilitate grading of 200+ students.
- Taught fundamentals of Github, IDEs, & Python, while troubleshooting for multiple OSs.

Security Research Assistant

Vafa Andalibi; Bloomington, IN
Fall 2018

- Measured comparative data sets to determine the Tor browser's limitations on browser fingerprinting.
- Utilized Javascript & Apache Web Server 2 to simulate real-time attack with respect to cost of usability to the user.

Education

Indiana University

May 2021

Bachelor of Science in Computer Science
Minor: Mathematics
Specialization: Security
GPA: 3.02

Community Involvement

President of Cyber Security Club

Fall 2017–Present

- Host weekly labs for 20+ students to teach various CybSec principles.
- Built and deployed Docker containers for students to independently practice club material.

Resident Assistant

Spring 2018–Spring 2020

- Confronted & resolved issues on diversity, racism, drug abuse, academic performance, & social acceptance.

Technical Skills

Certifications:

CySa+

Languages:

C/C++, Python, SQL, Java, JavaScript,
HTML/CSS, Unix Bash

Databases:

PostgreSQL, MySQL

Tools:

NMap, BurpSuite, Netsparker, Metasploit,
Wireshark

Platforms:

Linux (Ubuntu, Kali, Redhat)

Miscellaneous:

Tableau, Docker, Git, Jira, forklift license

Projects

Improving Wikipedia ClueBotNG

Present

Applying modern, novel approaches to the anti-vandalism Wikipedia bot to improve the current FP threshold of 0.1% and TP rate of 40%.

Preparing for the ACM-ICPC!

Present

Studying data structures and speed implementations for the upcoming programming competition.

Galaga

Spring 2020

Programmed the arcade classic Galaga in C on a Raspberry Pi with Arm-86 architecture.

Tor Browser Fingerprinting

Fall 2018

Measured comparative data sets to determine Tor browser's limitations on browser fingerprinting and developed an algorithm to overcome it.