

JOSEPH KIM

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EXPERIENCE

MWR InfoSecurity, an F-Secure Company

Summer Security Intern (June 2019 – August 2019)

- Built an offensive security tool in C# that automatically searches for secrets pushed onto shared corporate services such as *Confluence*, *Slack*, and *Office 365*
- Conducted multiple mock-jobs requiring pentesting applications, writing reports, and in one instance, roleplaying a presentation for “the client”

CTFd

Contractor (January 2019 – February 2019)

Contractor (June 2019 – June 2019)

- Built and documented 13 security challenges for national academic competition
- Created intentionally vulnerable programs for students to exploit
- Containerized and deployed security challenges using Docker

NYC Cyber Command

Engineering Intern (June 2018 – October 2018)

- Created network diagrams and documentation for the engineering team’s project
- Identified bottleneck within HR’s hiring process and helped develop Python program automating pipeline
- Shadowed SIRT to see how security issues are prevented, monitored, and treated within a large technology-driven organization that manages the city’s security

Intro to Computer Science

Teaching Assistant (December 2017 – May 2018)

- Helped design the course including its various lecture topics, homework assignments, projects
- Engaged with students to develop their understandings of significant concepts in programming and the computer science industry

SKILLS

Languages: *Python, JavaScript, C#, MySQL, C, HTML, CSS, C++, Assembly*

Tools & Technologies: *ReactJS, Flask, Vagrant, Docker, Git, Unix, AWS*

PROJECTS

Stocking | May 2020

- Created a React application that uses Alpha Vantage’s API to provide a user with requested stocks’ information
- Designed UI/UX with focus on simplicity, friendliness, and ease-of-use
- Uses: ReactJS

League of Data | November 2019

- Interfaced with Riot’s API to collect and analyze top *League of Legends* players’ matches to determine ideal team compositions using Flask and SQL
- Developed single-page application in ReactJS to interact with Python backend
- Uses: Python, SQL, ReactJS

Indra | September 2019

- Developed React components and refactored existing frontend code for open-source web application
- Developed with emphasis on DevOps and Agile practices
- Uses: ReactJS

Partial MNIST | December 2018

- Created a neural network designed to recognize images of handwritten digits
- Uses: Python

EDUCATION

New York University | Class of 2020

Cumulative GPA: 3.207

Tandon: *B.S. in Computer Science*

CAS: *Minor in Philosophy*

OSIRIS Research Lab

Member (March 2018 – May 2020)

Communications (May 2018 – January 2019)

- Managed external communications with lab’s extensive network of industry professionals and company sponsors
- Coordinated OSIRIS events, such as our public weekly seminar series, and larger, cross-school events