JOSEPH KIM

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EXPERIENCE

MWR InfoSecurity
Summer Security Intern | *Jun 2019 – Aug 2019*
- Built an offensive security tool in C# that searches for secrets pushed onto shared corporate services such as *Confluence, Slack,* and *Office 365*
- Conducted several mock-jobs which each required pentesting an application and then addressing the "client" with either a technical report or presentation detailing the vulnerabilities found and how they could be mitigated

OSIRIS Research Lab at NYU
Communications Chair | *May 2018 – Jan 2020*
- 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

CTFd
Contractor | *Jan 2019 – Feb 2019*
Contractor | *Jun 2019 – Jun 2019*
- Built and documented 13 security challenges for a national academic competition
- Created intentionally vulnerable programs, primarily in C, for students to exploit
- Containerized and deployed Python servers in Docker

NYC Cyber Command
Engineering Intern | *Jun 2018 – Oct 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

New York University
Teaching Assistant, Intro to CS | *Dec 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

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

League of Data | *Nov 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

Indra | *Sep 2019*
- Built React components and refactored existing frontend code for open-source web application
- Developed with emphasis on DevOps and Agile practices

Partial MNIST | *Dec 2018*
- Created a neural network in Python designed to recognize images of handwritten digits

EDUCATION

New York University | *Class of 2020*
- Cumulative GPA: 3.207
- *Tandon* | B.S. in Computer Science
- *CAS* | Minor in Philosophy

SKILLS

Languages: Python, JavaScript, C#, SQL, C, HTML/CSS

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