JOSEPH KIM

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EXPERIENCE

MWR InfoSecurity, an F-Secure Company
Summer Security Intern (June 2019 – August 2019)
- Conducted multiple mock-jobs requiring pentesting applications, writing reports, and in one instance, roleplaying a presentation for "the client"
- Developed an offensive security tool in C# that automatically searches for secrets pushed onto shared corporate services such as *Confluence, Slack,* and *Office 365*

OSIRIS Research Lab
Member (March 2018 – Present)
Communications Chair (May 2018 – January 2019)
- Helping manage external communications with lab's extensive network of industry professionals and company sponsors
- Organizing events held by OSIRIS, such as our public weekly seminar series, and larger, cross-school events

CTFd
Contractor (January 2019 – February 2019)
Contractor (June 2019 – June 2019)
- Designed 13 security software challenges for national academic competition, primarily with Python and C
- Containerized and deployed challenges using Docker

NYC Cyber Command
Engineering Intern (June 2018 – October 2018)
- Created network diagrams and documentation for the engineering team's project
- Helped write Python code to automate HR's hiring flow
- Shadowed SIRT to see how security issues are prevented, monitored, and treated

Intro to Computer Science
Teaching Assistant (December 2017 – May 2018)
- Helped design the course including its various lecture topics, homework assignments, projects, etc.
- Engaged with students to develop their understandings of significant concepts in programming and the computer science industry

PROJECTS

League of Data | *November 2019*
- Web application that analyzes data from top *League of Legends* players' matches to determine ideal team compositions
- Uses: Python, SQL, ReactJS

Indra | *September 2019*
- Open-source web application that visualizes agent-based modeling
- Developing React components and refactoring existing frontend code with emphasis on DevOps practices
- Uses: ReactJS

Partial MNIST | *December 2018*
- Created a neural network from scratch designed to recognize images of handwritten digits
- Final for *Artificial Intelligence* course
- Uses: Python

SKILLS

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

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

EDUCATION

New York University | *Class of 2020*
September 2016 – May 2020

***Tandon**: Pursuing B.S. in Computer Science*
***CAS**: Completed minor in Philosophy*

- Databases
- DevOps
- Data Science Projects
- Artificial Intelligence
- Network Security
- Offensive Security
- Data Analysis
- Linear Algebra and Diff. Eq.