

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 – Present)

- Participating in lab events and activities, such as CTFs
- Maintaining external communications on lab’s behalf
- Helping manage lab’s extensive network of company sponsors and industry professionals
- 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 understanding of significant concepts in programming and the computer science industry

PROJECTS

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, C#, MySQL, C, JavaScript, HTML, CSS, C++, Assembly

Tools & Technologies: Flask, Git, Unix, Docker, Binary Ninja, Wireshark, BurpSuite

EDUCATION

New York University | Class of 2020

September 2016 – Present

Tandon: Pursuing B.S. in Computer Science

CAS: Pursuing minor in Philosophy

- Design and Analysis of Algorithms
- Operating Systems
- Computer Networking
- Network Security
- Offensive Security
- Databases
- Artificial Intelligence
- Data Analysis
- Linear Algebra and Diff. Eq.

INTERESTS

- Visual Arts / Fashion
- Writing / Journalism
- Music
- Nonprofits / Volunteering

