# JOSEPH KIM

www.josephjd.kim
josephjdkim@gmail.com
GitHub: josephjdkim | LinkedIn: josephjdkim

## 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

**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** | *Graduating May 2020*

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