

# JOSEPH KIM

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## EXPERIENCE

### MWR InfoSecurity

#### **Summer Intern** | Jun 2019 – Aug 2019

- Independent Research Project – Built an offensive security tool in C# that automatically searches for secrets pushed onto shared corporate services like *Confluence*, *Slack*, and *Office 365*
- Conducted several mock-jobs, each requiring 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 with more secure engineering practices and implementation

### CTFd

#### **Freelance Engineer** | Jan 2019 – Feb 2019

#### **Freelance Engineer** | Jun 2019 – Jun 2019

- Created and documented 13 security challenges for a national academic Capture the Flag (CTF) competition
- Compiled intentionally vulnerable programs in C for students to exploit
- Used Docker to containerize and deploy Python servers which students interacted with via SSH

### 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 by downloading and parsing resumes

## SKILLS

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

**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

### **League of Data** | Nov 2019

- Interfaced with Riot Games’ 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 React 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

## EDUCATION

### **New York University** | Class of 2020

- Cumulative GPA: 3.207
- **Tandon** | B.S. in Computer Science
- **CAS** | Minor in Philosophy