

# Kang In Park

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**Languages:** Python, SQL, Bash

**Technologies:** Git, Snowflake, Airflow, Matillion

**Certificates:** CompTIA Security+

## Education

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### New York University, Tandon School of Engineering

*New York, NY*

B.S. IN COMPUTER SCIENCE, MINOR IN CYBERSECURITY

*May 2023*

HONORS SCHOLAR

*Cumulative GPA: 3.6*

- Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Computer Architecture, Offensive Security, Computer Security, Operating Systems, Application Security, Applied Cryptography, Network Security, Software Engineering

## Experience

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### Optimove

*New York, NY*

CUSTOMER DATA ENGINEER

*August 2023 - Current*

- Developed and maintained data transformation scripts in SQL and Python, using Snowflake, Microsoft SQL Server, and Airflow
- Designed and managed custom ETL processes to ingest client data from various data sources (Google BigQuery, SFTP, S3) using Matillion
- Investigated data discrepancies, implemented fixes in the data pipeline, and conducted QA to ensure good data hygiene
- Collaborated with operations engineers, customer success managers, and data analysts to deploy changes to the daily batch process
- Discussed business needs with clients to devise and coordinate technical data solutions for their reporting dashboard
- Created automation scripts in Python to improve the daily workflow of the Data Solutions team

### SecurityScorecard

*New York, NY*

INTERN

*June 2022 - August 2022*

- Enhanced network efficiency by developing scheduled batch-logging functionality in Python for Datadog metrics
- Implemented GeoIP awareness by tagging Masscan results with geographical data for optimal task allocation to Nmap agents based on location
- Restructured custom NSE scripts with Lua for transitioning into a more reliable vulnerability API
- Managed Kafka data streams through Confluent Cloud and KSQL

### Republic of Korea Air Force

*Chungju, South Korea*

AIRCRAFT MECHANIC

*August 2019 - May 2021*

- Managed a team of three enlisted airmen and delegated operational tasks
- Collaborated with lead aircraft mechanics in diagnosing malfunctions within LRU components of the F-16 fighter jet
- Accelerated workflow by automating tasks through use of VBScript and Regex pattern matching in Korean word documents

### NYU TRIO Scholars

*New York, NY*

PYTHON TUTOR

*March 2018 - May 2019*

- Provided one-on-one tutoring to 9 peer students for the following courses: Data Structures and Algorithms, Introduction to Python
- Devised structured tutoring sessions to help develop solid understanding of core programming concepts and data structures
- Prepared students for upcoming exams by designing practice problems around asymptotic analysis of algorithms

## Projects

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### Twitter Hate Speech Analysis

- Conducted data analysis on a 50k Twitter data set related to the Russo-Ukrainian conflict sourced from Kaggle
- Performed data cleaning and analysis in Python using Pandas and Jupyter Notebook and created visualizations using Matplotlib and NetworkX
- Used the Perspective API to categorize tweets based on toxicity level

### KingdomBot - A Discord Chat Bot

- Delivered a Discord bot used by 5000+ users by utilizing Python and the Discord.py API to interface with 20+ servers
- Utilized PostgreSQL, AWS S3, and Heroku to save user data, store media assets, and host the chatbot

## Activities

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### NYU OSIRIS Lab (Offensive Security, Incident Response, and Internet Security Lab)

*New York, NY*

LAB MEMBER

- Tested challenges for CSAW CTF Finals competition by leveraging tools like Docker, Powershell, and VirtualBox
- Participated in online CTF competitions in categories such as cryptography, web, reverse engineering, and binary exploitation
- Identified vulnerabilities and devised exploits using attacks such as blind SQL injection, template injection, and rainbow tables