SANGYUN **KIM**

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EDUCATION

BA Computer Science | Boston University

SEP 2023 – EXPECTED GRADUATION MAY 2025
GPA: 3.63
Honors: Dean's List
Courses: Advanced Software System, Software Engineering, Full Stack Development

BS Computer Science | University of Massachusetts Boston

SEP 2021 – SEP 2023
GPA: 3.789
Honors: Dean's List
Courses: Intermediate and Advanced Data Structure and Algorithms, Computer Architecture and Organizations

United States Army Ordnance School | Ft Lee. VA

NOV 2020 – APR 2021
Description:

- 12-week program with a focus on maintaining wheeled vehicles, associated trailers and material handling equipment systems

Courses:

- Automotive Electricity, Automotive Transmissions and Transaxles, Brake Systems, Diesel Engines, Steering and Suspension Systems

EXPERIENCE

Special Agent in training | United States Army Reserve

NOV 2023 - CURRENT

- Counterintelligence Agent conducts investigations, collects and processes forensic and physical evidence to identify and detect foreign intelligence and international terrorist threats, and plan the appropriate countermeasures to neutralize them.

Wheeled Vehicle Mechanic | United States Army Reserve

JUL 2020 – NOV 2023

- Supervising and performing maintenance and recovery operations on wheeled vehicles and associated items, as well as heavy-wheeled vehicles and select armored vehicles.
- Worked in 94th MP Company to inspect, service, maintain, repair, and test HMMWV, MTV, LMTV, and FMTV for 382nd Brigade
- Experienced Field Training Exercises and assisted Close Quarter Combat and hostage rescue scenarios alongside Military Police

SKILLS

Programming Language

- Python
- Java
- C language
- Assembly Language
- JavaScript
- TypeScript
- React JS
- React Native Expo
- SQL

OS and Tools

- Linux
- Windows
- Mac OS
- SIEM Tools: (Splunk, Google Chronicle)
- FireBase DB
- Visual Studio and VS Code
- .Net framework
- Microsoft Office

Language

- Native Korean Speaker
- Fluent in English

Security Clearance

- ANACI-T3

PROJECTS

Personal Website | React JS

MAY 2023 – CURRENT

Description:

- Developed personal website using React JS
- Improved responsiveness of the website (desktop and mobile friendly)
- Link to GitHub and LinkedIn in the “contacts” section of website.
- Website Link

Finds – Powerful File Searching Tool | C language

FEB 2024 – MAR 2024

Description:

- "Finds" is a powerful command-line tool designed to search for a specified string within files and directories. It extends the basic string search functionality to support regular expressions with specific control characters for more flexible and complex search patterns.
- Demonstration video in GitHub

Google Cybersecurity Professional Certificate | Coursera

JAN 2024 – JAN 2024

Description:

- 9-month program with focus on detail-oriented cybersecurity: experiencing with identifying threat, risks, and vulnerabilities; security hardening; threat modeling; and incident escalation and response.
- View certificate here.

Courses:

- Manage Security Risks | Detection and Response | Linux and SQL | Networks and Network Security | Automated Cybersecurity Tasks with Python | Assets, Threats, and Vulnerabilities | Foundations of Cybersecurity

Hada Language Learning App | React Native Expo & Firebase DB

JAN 2024 – MAY 2024

Description:

- Hada is a Korean flashcard learning app that leverages the power of spaced repetition to optimize the learning process. Unlike other platforms, Hada is designed to streamline your learning experience, making it simpler, more efficient, and tailored to your needs.
- Contributed as a Software Engineer in the Agile environment.

KatApp | React Native & C# .NET & Firebase DB

JAN 2024 – MAY 2024

Description:

- KatApp helps cat owners manage their cat's health and information efficiently. By leveraging the power of AI, users can scan cat food barcodes, receive a breakdown of product information, get insights on best sellers from Amazon, and maintain records of past QR codes scanned.
- Contributed as a Software Engineer in the Agile environment.

RSA Encryption | Python

OCT 2023 – NOV 2023

Description:

- Implemented RSA encryption and decryption in Python using both Euler’s theorem and Matrices.
- More information about RSA encryption using Euler’s theorem here.
- More information about RSA encryption using Matrices here.