

CHAEWON PARK

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EDUCATION

Master of Computer Science, Georgia Institute of Technology

Jan 2023 - Dec 2023

- Specialization: Machine Learning
- Overall GPA: 3.83/4.0

Bachelor of Computer Science, Georgia Institute of Technology

Jan 2021 - May 2023

- Overall GPA: 3.96/4.0

EXPERIENCE

Software Engineering Intern

May 2023 - Aug 2023

NCR Corporation

Atlanta, GA

- Modernized digital banking website with enhanced extensibility and user engagement by developing 12 widgets in **ReactJS**, successfully leading to integration into the production
- Implemented back-end microservices using **NestJS** and deployed on Google Cloud Platform (**GCP**)
- Collaborated across teams, ensuring design alignment with accessibility standards and successful API integration
- Assured code quality by achieving 97% **Jest** unit test coverage across both front-end and back-end services

Software Development Global Intern

Jul 2022 - Aug 2022

Samsung Electronics

Hwaseung, Gyeonggi, South Korea

- Collaborated within a team to develop an innovative programming language *J Code* tailored for semiconductor manufacturing. Built upon the foundation of **C**, it provides enhanced efficiency in addressing malfunctions.
- Authored the language specification and actively participated in the implementation of debugging functions in Integrated Development Environment (IDE)
- Improved quality of the language by writing and executing 300+ tests, and refining error messages

Undergraduate Teaching Assistant

Aug 2021 - May 2023

Georgia Institute of Technology

Atlanta, GA

- Worked alongside 33 TAs and two professors to assist 800+ students in a **Java-based Object-Oriented Programming** course by leading weekly recitations, holding office hours, and creating/grading assignments
- Consistently recognized for depth of knowledge and outstanding communication skill in performance reviews

PROJECTS

Person-to-Person(P2P) Money Transfer Application

- Developed an Android application that facilitates real-time money transactions in countries with limited access to financial systems.
- Orchestrated integration of **Java Spring Boot** middleware with an open software *Mojaloop* and its deployment on **Azure Kubernetes**.
- Implemented user services for digital payment and robust security measures using Java, and efficiently managed user data with **SQL**.

Natural Scene Text Recognition

- Developed a convolutional neural network using **PyTorch** to identify texts in natural scene images on IDCAR dataset, achieving 83% and 87% accuracy on case-sensitive and case-insensitive classification respectively.

SKILLS & LANGUAGE

Programming Languages: Java, Python, C, SQL, R, JavaScript, TypeScript, HTML5, CSS3

Libraries and Frameworks: PyTorch, Tensorflow, Scikit-Learn, NumPy, React, Node.js, Spring Boot, Jest, JUnit

Developer Tools and Platforms: Git, GCP, MS Azure, JIRA, Confluence, macOS, Windows