

# Jaeyoung Lee

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## EDUCATION

### Georgia Institute of Technology

Bachelor of Science in Computer Science; GPA: 3.91/4.0

Courses: Data Structures & Algorithms, Object and Design, Systems and Networks, Database Technologies, Machine Learning, Computer Vision

Atlanta, Georgia

August 2017 - May 2023

## EXPERIENCE

### Brooklyn Investment Group/Skopos Labs

Incoming Software Engineering Intern (Full-time)

New York, NY

May 2023 - August 2023

### Samsung Electronics

Software Engineering Intern (Full-time)

Suwon, South Korea

June 2022 - August 2022

- Detected memory leaks in Galaxy Store Android application and discovered edge cases in application rating functionalities by analyzing heap-dump generated with ADB shell.
- Developed a news location visualization and language-region setting UI for Samsung Free using Java and OneUI.

### Georgia Institute of Technology, College of Computing

Teaching Assistant (Part-time)

Atlanta, GA

January 2022 - May 2023

- Promoted understanding of Agile methodologies and software design patterns (SOLID and GRASP) by providing weekly Q&A sessions and TA lectures for 600+ students.
- Renovated the course website by implementing a Bootstrap-based UI structure and adding Domain Model diagrams.

### Jaranda

Full-stack Software Engineer (Full-time)

Remote

May 2020 - January 2022

- Collaborated on the development of new systems including an online commerce service, Nest.js-based chatting server, and SMS verification system using Angular and Python for 300,000+ users.
- Refactored Angular module structure and reorganized front-end styling workflow by establishing a flex-rem-based responsive publishing structure, which resulted in a 36% reduction of quarterly publishing-related issues.
- Directed the "Activity Tag" project, a system that calculates hierarchical-Jaccard-distance among teachers, parents, and education programs, and developed an admin dashboard using GCP, Python-FastAPI, and Angular.
- Handled data extraction requests using BigQuery and SQL and managed a business KPI updating system backed by Python-Flask by implementing SQLAlchemy classes and query methods for 200+ live service database tables.

### Naver D2

Software Engineer Intern (Part-time)

Seoul, South Korea

May 2018 - August 2018

- Developed and launched a web application and a Facebook Messenger chatbot back-end for a forum-based question-answering platform using MERN stack (MongoDB, ExpressJS, ReactJS, and NodeJS).

## PROJECTS AND PROGRAMS

### Google For Start-ups - Google Cloud Academy

April 2021 - June 2021

- Attended the GCP training program assisting start-ups in optimizing GCP-based development environment.
- Built an ETL process for the real-time matching request data (150+ requests per hour) using BigQuery and DataFlow and a visualization environment backed by DataStudio.

### kor-string-similarity (npmjs.com/package/kor-string-similarity)

June 2018 - July 2018

- Built a string-similarity module based on Sørensen-Dice coefficient and NphoEd (Normalized phoneme-based metric) to quantify the similarity between two strings and implemented sorting and threshold setting functionalities.

### Trouble on Beryl Isle (vgdev.gtorg.gatech.edu/game/trouble-on-beryl-isle/)

January 2018 - May 2018

- Developed an action-adventure video game using Unity C# and conducted Closed Beta Test for 50+ students.
- Enriched game design by developing 3D components and textures, using Blender and Substance Painter.

## LEADERSHIP AND AWARD

2018-2020

**Information Operations Officer & Corps Translator**, Republic of Korea Marine Corps

2019

**Nationwide Finalist**, Ministry of National Defense S/W Competition, 50 out of 1000+ competitors

2019

**Nationwide Finalist**, Ministry of National Defense S/W Competition, 50 out of 1000+ competitors

## CERTIFICATES AND SKILLS

Certificates

**Google Cloud Platform Professional Cloud Architect**, Google Cloud Platform

**Craftsman Information Processing Certificate**, Ministry of Science and ICT of the Republic of Korea

**HSK 4 (Chinese Proficiency Test)**, Ministry of Education of the People's Republic of China

Languages

Python, Javascript, Typescript, Java, C, C++, HTML5, CSS3, SQL

Frameworks

FastAPI, Flask, Django, NumPy, Pandas, Node.js, Angular, React, Vue, D3.js, RxJS, Express.js, Nest.js

Platforms & Tools

GCP, AWS, Android, Docker, MySQL, SQLite, MongoDB, Firebase