

Jaeyoung Lee

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EDUCATION

Georgia Institute of Technology
Bachelor of Computer Science

Atlanta, Georgia
Expected May 2023

Major GPA: 4.0/4.0 **Cumulative GPA:** 3.92/4.0
Concentration: Intelligence - Info / Internetwork

Relevant Courses: *Computer Organiz&Program, Intro to Database Ststems, Objects and Design, Machine Learning, Data Struct&Algorithm,*

WORK EXPERIENCE

Samsung Electronics

Seoul, S.Korea

Software Engineering Intern

June 2022 – August 2022

- Developed an OneUI-based news location visualization and language-region setting UI for Samsung Free Java Android application
- Contributed to the detection of memory leaks in Galaxy Store and discovered edge cases in the application rating functionality

Georgia Institute of Technology

Atlanta, Georgia

Teaching Assistant - CS 2340 (Object and Design - Android/JavaFX)

January 2022 – Current

- Renovated the course website by adding example Domain Model diagrams and implementing a Bootstrap-based UI structure
- Promoted the understanding of agile methodologies and Software Design by providing Q&A sessions for more than +600 students

Jaranda (jaranda.kr)

Seoul, S. Korea

Fullstack Web Developer

May 2020 – January 2022

- Directed the "activity tag" project - a tag system that calculates hierarchical-Jaccard-distance among teachers, parents, and education programs using NumPy with D3.js visualization dashboard
- Handled data extraction requests using SQL and managed business KPI updating system backed by Python-Flask CRON service
- Collaborated on the development of new systems including wooCommerce-backed commerce service, chatting server using Nest.js, and SMS verification system for 322,000 users
- Participated in refactoring Angular frontend structure and reorganized frontend styling workflow by establishing a flex-rem-based responsive publishing structure and a class-name-based styling system

Naver D2 - Campus Q

Seoul, South Korea

Fullstack Web Developer, Founding Member

May 2018 – August 2018

- Participated in developing and launching CampusQ, a forum-based question-answering platform for 500 university students
- Utilized express.js and React for Facebook Messenger chatbot and established deployment pipeline using Heroku CLI

PROJECTS / PROGRAMS

Google For Start-ups - Google Cloud Academy

Seoul, S. Korea

Program Attendee

April 2021 – June 2021

- Attended GCP training program assisting start-ups in optimizing GCP-based development environment
- Participated in building an ETL process using BigQuery, DataFlow, and a visualization environment backed by DataStudio

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

Atlanta, Georgia

Personal Project, NPM module

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 features

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

Atlanta, Georgia

3D Texture Artist

January 2018 – May 2018

- Participated in the development of a third-person perspective action-adventure video game using Unity C#
- Enriched character and background design by developing 3D components and texture, using Blender and Substance Painter

EXTRACURRICULAR ACTIVITIES

2019-2020

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

Gimpo, S. Korea

2019

Finalist, 2019 Ministry of National Defense Open Data Idea Contest

Seoul, S. Korea

2019

Finalist, 2019 Ministry of National Defense S/W Intelligence Empowerment Competition

Seoul, S. Korea

CERTIFICATES / SKILLS

Certificates

Google Cloud Platform Professional Cloud Architect, Google Cloud Platform

Data Engineering, Cloud Engineering, BigQuery for ML, Image Processing, GCP QwickLabs

CIP(Craftsman Information Processing) Certificate, Ministry of Science and ICT(MSIT) of the Republic of Korea

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

Programming

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

Tools, Libraries

GCP, Android, FastAPI, Firebase, Flask, NumPy, Pandas, Node.js, Angular, React, Vue, Nest.js, D3.js, RxJs

Language

English(Bilingual proficiency), Korean(Bilingual proficiency), Chinese(limited working proficiency)