

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 Sstems, Objects and Design, Machine Learning, Data Struct&Algorithm,

SKILLS

Programming Python, Javascript, Typescript, HTML5, CSS3, Java, SQL

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

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

WORK EXPERIENCE

Samsung Electronics

Seoul, S.Korea

Incoming Software Engineering Intern in MX(Mobile Experience) Department

July 2022 – August 2022

Georgia Institute of Technology

Atlanta, Georgia

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

January 2022 – May 2022

- Renovated the course website by adding example Domain Model diagrams and implementing Bootstrap-based UI structure
- Promoted the understanding of agile methodologies and Object-Oriented Design by providing Q&A sessions for more than 550 students

Jaranda (jaranda.kr)

Seoul, S. Korea

Fullstack Web Developer

May 2021 – 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 / PROGRAM

Google For Start-ups - Google Cloud Academy

Seoul, S. Korea

Program Attendee

April 2021 – June 2021

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

OSAM(Open Source Academy for Military) - National Defense Ministry of Korea

Seoul, S. Korea

Front-end Developer

October 2019 – November 2019

- Built Paperplane, an experimental memo-based social diary web application using Vue.js and express.js
- Designed the application prototype UI with OvenApp.io and implemented style using Bootstrap and Vuetify

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
- Designed an algorithm that dissects a Korean syllable into phonemes and implemented utility features including sorting and threshold setting

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 / CERTIFICATE

2022	GCP Professional Cloud Architect, Google Cloud Platform	Atlanta, Georgia
2020-2021	GCP QwickLabs, Data Engineering, Cloud Engineering, BigQuery for ML, Image Processing	Seoul, S. Korea
2019-2020	Information Operations Officer & Corps Translator, Republic of Korea Marine Corps	Gimpo, S. Korea
2019	CIP(Craftsman Information Processing) Certificate, Ministry of Science and ICT(MSIT)	Seoul, 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