Jaeyoung Lee

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EDUCATION

Georgia Institute of Technology   **Atlanta, Georgia**
Bachelor of Computer Science   *Expected May 2023*
Major GPA: 4.0/4.0 **Cumulative GPA:** 3.92/4.0   **Concentration:** Intelligence - Information Internetworks

WORK EXPERIENCES

Samsung Electronics | *Software Engineering Intern*   **Suwon, S.Korea**
Mobile Experience Department, Store Client Part   *June 2022 – August 2022*
- Developed an OneUI-based news location visualization and language-region setting UI for Samsung Free Java Android application
- Detected memory leaks in navigation logic for Galaxy Store and discovered edge cases in the application rating functionality

Georgia Institute of Technology | *Teaching Assistant*   **Atlanta, Georgia**
CS 2340 "Object and Design" - React.js, Android, and JavaFX   *January 2022 – Current*
- Renovated the course website by implementing a Bootstrap-based UI structure and adding example Domain Model diagrams
- Promoted the understanding of agile methodologies and Software Design by providing Q&A sessions for more than 600 students

Jaranda | *Full-stack Web Developer*   **Seoul, S. Korea**
Web Development Team   *May 2020 – January 2022*
- Collaborated on the development of new systems including wooCommerce-backed online commerce service, Nest.js-based chatting server, and SMS verification system in Angular front-end and Python back-end for more than 322,000 users
- Refactored Angular front-end structure and reorganized front-end styling workflow by establishing a flex-rem-based responsive publishing structure and a class-name-based styling system, which resulted 36% reduction of the quarterly publishing-related issue
- Directed the "activity tag" project, a tag 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 SQL and managed business KPI updating system backed by Python-Flask CRON service

Naver D2 | *Software Engineer Intern*   **Seoul, South Korea**
Campus Q Team   *May 2018 – August 2018*
- Participated in developing and launching Campus Q, a forum-based question-answering platform for 500 university students
- Utilized React and express.js for the platform and FB 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 functionality

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

LEADERSHIP / COMPETITIONS

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