Jaeyoung Lee

(470) 815-6864 | jaeleeps@gmail.com | www.jaeyoung-lee.com | linkedin.com/in/jaeyoung-lee | github.com/jaeleeps

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   **Relevant Courses**: *Computer Organiz&Program, Intro to Database Ststems,*
Concentration: Intelligence - Info / Internetwork   *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   *June 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**
Data Department 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
- Assisted in building a regional matching request dashboard handling 400+ daily requests using BigQuery and Data Studio

Fullstack Web Developer   *May 2020 – April 2021*
- Collaborated on the development of new systems including wooCommerce-backed commerce service, chatting server using Nest.js and Firestore Database, 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

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**