Jin Gyu Lee

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EDUCATION

New York University | New York, NY — December 2021
Master of Science in Computer Science, **GPA**: 3.89/4.00

- *Coursework*: Discrete Mathematics; Programming Languages; Information, Security & Privacy; Software Engineering; Principles of Database; Design and Analysis of Algorithms
- **Honors**: NYU Graduate School of Engineering Merit Scholarship

New York University, Bridge to NYU Tandon | online — October 2019
Computer Science, Certificate of Completion with Distinction

- *Coursework: Recursion; Object-Oriented Programming; Linked List; Queue; Stack; Trees; Operating System*

University of Wisconsin – Madison | Madison, WI — December 2013
Bachelor of Arts in Economics with Mathematical Emphasis, **GPA**: 3.40/4.00

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C++, Kotlin, Haskell, SQL
Other Tools: HTML5, CSS3, Git/GitHub, EJS, MongoDB, Mongoose, Node.js, Express, React, Django Atom, Visual Studio, Android Studio, IntelliJ, Excel, PowerPoint

EXPERIENCE

STEM-Away | *Software Engineer* | Virtual Internship (HTML5, CSS3, Discourse platform) — July 2020 - August 2020

- Collaborated with a team of three to build a Discourse Theme with improved features to optimize user experience of company website
- Implemented time-stamp feature on posts, and updated post aesthetics by modifying CSS
- Modified navigation bar buttons and their features; adjusted the navigation bar's default state by inheriting and modifying pluginAPI's methods
- Uploaded the finished Theme as the first official Theme for the website

LG Electronics | *IoT/AI Specialist* | Seoul, Korea — December 2014 - January 2020

- Launched LG's first robot brand, CLOi; applied LG's first home IoT solutions to 10,000+ condo units in the first year
- Collaborated with development and sales departments to execute a mobile application for IoT solutions
- Designed sales forecasting method for inventory management to improve prediction rate by 10%

PROJECTS **click title to view the respective website or GitHub link*

Urban Thrifter (Django, SQLite, HTML, CSS) — September 2020 - Present

- Implemented a web app to help connect help-seekers (homeless, runaway youth) and individual donors
- Utilized Agile methodologies, keeping weekly sprints and holding daily scrum meetings for collaborative development
- Implemented interactive map using Mapbox API, which showing information targeted toward help-seekers, such as resource locations provided by NYC open data and donation locations posted by individual donors
- Applied user profile editing page and implemented dynamics for the page to change according to user type

RateMyWeddingVenue (Bootstrap, MongoDB, EJS, Node.js, Express, HTML5, CSS3) — July 2020 - Present

- Designed and implemented a website for user-generated reviews and ratings of Korean commercial wedding venues
- Utilized MongoDB for database; used Node.js and Express to build REST APIs to handle user, server, and database interactions
- Implemented account management using Mongoose schema, used EJS to make website dynamic according to user's status

Coronavirus Daily Count for Friends (Bootstrap, Excel (API), HTML5) — April 2020 - May 2020

- Built and deployed website to reflect up-to-date coronavirus statistics of various locations for friends and family
- Used Bootstrap to enable mobile responsiveness to provide users with better visualization of graphs and tables
- Automated data gathering from official sources such as Johns Hopkins University, NYC Department of Health and Mental Hygiene (JSON, CSV) using APIs

Ants and Doodlebugs (C++, OOP) — August 2019

- Built a simulator that shows doodlebugs eating ants on a 2-D array grid and continuing until one species survives
- Incorporated inheritance to construct ant and doodlebug classes and implemented method calls from the classes to simulate the movement of the insects