

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:* Principles of Database; Design and Analysis of Algorithms; Software Engineering; Discrete Mathematics
 - **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: MySQL, MongoDB, HTML5, CSS3, Git/GitHub, EJS, 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