

# Jin Gyu Lee

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## EDUCATION

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**New York University** | New York, NY Class of Dec 2021

Master of Science in Computer Science, **GPA: 3.78/4.00**

- **Honors:** NYU Graduate School of Engineering Merit Scholarship

**New York University, Bridge to NYU Tandon** | online Oct 2019

Computer Science, Certificate of Completion with Distinction

**University of Wisconsin – Madison** | Madison, WI Class of Dec 2013

Bachelor of Arts in Economics with Mathematical Emphasis, **GPA: 3.40/4.00**

*Coursework: Software Engineering; Cloud Computing; Principles of Database Systems; Machine Learning; Big Data; Design and Analysis of Algorithms; Object-Oriented Programming; Data Structures; Operating Systems; Networks*

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, C++, Kotlin, SQL

**Data:** MySQL, PostgreSQL, MongoDB, PySpark, Hadoop

**Other Tools:** AWS, Django, Spring, Node.js, Express, Ajax, Mongoose, HTML5, CSS3, Git, EJS, Heroku, Android Studio

## EXPERIENCE

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**FedEx Services** | *Backend Developer Intern* | Pittsburg, PA (**Spring Boot, Junit, Jenkins**) Jun 2021 - Aug 2021

- Modernized legacy shipment price rating system at FedEx Ground to a system that utilizes latest framework and tools to enable real-time rating, flexibility in addressing errors, and faster implementations of new features
- Developed scenarios and implemented the logic for calculating discounts for surcharges according to details from packages, customers, and locations

**STEM-Away** | *Software Engineering Intern* | Virtual (**HTML5, CSS3, Discourse platform**) Jul 2020 - Aug 2020

- Built a Discourse Theme with improved features to optimize user experience of company website, and finished the Theme as a new official Theme
- 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

**LG Electronics** | *IoT/AI Specialist* | Seoul, Korea Dec 2014 - Jan 2020

- Coordinated market planning strategy in launching LG's first robot brand, CLOi, and in applying LG's first home IoT solutions to 10,000+ condo units in the first year
- Designed sales forecasting method for inventory management to improve prediction rate by 10%

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

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**Urban Thrifter (Django, Ajax, AWS S3, Bootstrap, JavaScript, HTML5, CSS)** Sep 2020 - Dec 2020

- Implemented a web app to help connect help-seekers (homeless, runaway youth) and individual donors
- 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
- Used Ajax to implement a dynamic message notification feature
- Utilized Agile methodologies, keeping weekly sprints and holding daily scrum meetings for collaborative development

**Gather (AWS: Lambda, Transcribe, Lex, Personalize, ES, Dynamo DB, SNS, API Gateway)** Mar 2021 - May 2021

- Designed the architecture and implemented a website where people can get their personalized recipe recommendations and share their own recipes with other users
- Utilized AWS Personalize to output user's personal recipe recommendations
- Implemented text and speech-to-text chatbot that recommends recipes
- Populated Dynamo DB and Elasticsearch and implemented search feature getting data from the database