

# Won Jun Kang

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<https://onejune.me>

## EDUCATION

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### **Brown University, Master of Science, Computer Science**

**Aug 2017 – June 2019**

- Concentration in Artificial Intelligence & Computer Economics

Graduated - GPA 3.63 / 4.0

- Design/Analysis of Algorithms, Artificial Intelligence, Machine Learning, Algorithmic Game Theory, Deep Learning, Computational Probability and Statistics, Recent Applications of Probability and Statistics, Operating Systems

### **Korea University, Seoul, South Korea**

**Mar 2009 – August 2016**

- Double major: B.S. Computer Science/Engineering & B.S. Business Administration

Graduated - GPA 3.79 / 4.5

## TECHNICAL SKILLS

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**Strong:** JavaScript, TypeScript, Python, React.js, Express, Flask, Webpack, MySQL, PostgreSQL, Sequelize, HTML5, CSS3

**Experienced:** Java, Android, C, C++, AWS(API Gateway, Lambda, Cognito, S3, DynamoDb), Heroku, Firebase, Azure

## WORK EXPERIENCE

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### **NLMatics** | [nlmatics.com](http://nlmatics.com)

Fullstack Developer

**Dec 2019 - Present**

- Designed and developed REST APIs and Web application for NLP platform from scratch using with React Hooks(useMemo, useReducer, useContext, useCallback), Flask, Swagger API, Styled Components
- Used Docker to containerize front-end, proxy, and e-commerce micro service application to flexibly run instances and facilitating cross-team development
- Implemented Authentication process using Firebase and Azure AD(Server side Authentication), Customized PDFjs to build PDF viewer and PDF search, Developed Workspace Search and Workspace Extraction using Parallelism and sequencing of promises, Type Ahead systems for Field definition and Search questions, Navigator Graph using d3.js
- Strategically used Context API to decrease unnecessary instances of prop-drilling and expedited access to global state data

### **Korbit** | [korbit.co.kr](http://korbit.co.kr)

Web developer

**Sep 2016 - Feb 2017**

- Developed multi broker service (trading diverse cryptocurrencies) with React.js and Ruby on Rails in exchange market platform team, Tested React Components with Enzyme to pre-established requirements for new features to maintain code quality, Leveraged Webpack's uglification, magnification and concatenation to ensure minimal file size for frontend asset bundle

Web developer intern

**Aug 2014 - Jan 2015**

- Built Korbit pay API testing admin & real-time internal dash board service using Express, New Relic API and Grails

## OPEN SOURCE PROJECTS

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### **Trading Agent Design projects in Algorithmic Game Theory** | [onejune.me/assets/img/final\\_agt.pdf](http://onejune.me/assets/img/final_agt.pdf)

**Spring 2018**

- Designed and coded a java trading bot for a prediction market of asymmetric information (different number of decoy coins) and won the first place among six teams.
- Designed and coded a java trading bot for Trading Agent Competition (TAC) Ad Exchange(AdX) Market where we adopted externality bot to optimize our profits in a second price sealed-bid auction.

### **Humn** | [github.com/HumApp/humclient](https://github.com/HumApp/humclient)

**Aug 2017 – Sep 2017**

React Native application that allows users to share playlists with friends from Spotify to Apple Music and vice versa

- Integrated Apple's MusicKit library into react native as modules in order to access an apple music user's account.
- Designed Serverless architecture using Firebase Authentication, Realtime Database and Cloud Functions.

### **AskAlvin** | [github.com/deepseafishing/AskAlvin](https://github.com/deepseafishing/AskAlvin)

**Aug 2017**

An interactive restaurant recommendation system utilizing Google Maps API

- Utilized Google Maps API to search and view relevant restaurant data
- Designed routes using Express and React, Redux to show information about a restaurant and recommender

## EXTRA-CURRICULAR & LEADERSHIP EXPERIENCE & OTHER SKILLS

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### **Like Lion Project Sponsored by Google** | [goo.gl/cgmyuQ](http://goo.gl/cgmyuQ)

**Jun 2014 - Sep 2014**

- Selected to teach 21 non cs major students web programming using Python, Flask and Google App Engine
- Mentored a team at Google Hackathon who developed an application in d3.js | [goo.gl/UCIjEs](http://goo.gl/UCIjEs)

**Finance:** Chartered Financial Analyst (CFA) Level I

**Jun 2017**