

John He

1329 Trinity Pl, Libertyville, IL 60048

(847) 497-5992 | hejohn2001@gmail.com | <https://github.com/heisjohn> | www.linkedin.com/in/he-john

EDUCATION

University of California, Berkeley - College of Letters and Science

GPA: 4.00/4.00

Bachelor of Arts in Computer Science

Generation Change Scholarship recipient

Relevant coursework:

- Structure and Interpretation of Computer Programs
- Data Structures
- Designing Information Devices and Systems I
- Designing Information Devices and Systems II

EXPERIENCE / PROJECTS

Software Engineer (Full-Stack), www.doriot.com

July 2020 - Present

- Develop a mobile application focused on educating about startup-investing
- Build and style screens within the application using React Native and CSS
- Maintain a .NET API on the back-end for user and investment logic
- Implement data storage locally within the user's device
- Manage and load data from spreadsheets into a PostgreSQL database using Python
- Practice Agile-like Development, using Jira to organize sprints
- Worked on registration and authentication flow on both the front-end and back-end
- Created logic and UI for the presentation of informational lessons and quizzes

Dungeon Escape, demonstration: <https://youtu.be/z65RVMKh0fI>

April 2021

- Created a two-dimensional world exploration game in Java
- Randomly generated a landscape of rooms and hallways
- Spawned special objects within the game that the player can interact with
- Designed a menu system for users to modify the generation of the world
- Implemented a system for saving and loading the game by writing to text files

StockBot, <https://github.com/heisjohn/stockbot>

2019 - 2020

- Developed a Discord bot that procedurally generates a mock stock market where users buy and sell stocks with chat commands
- Stored and modified user data using the Python JSON library
- Automatically produced charts for stocks using Matplotlib
- Interacted with the Discord API to detect commands and send out images and messages

SKILLS

- Strong understanding of Python, Javascript, Java
- Basic understanding of C#
- React Native
 - Core components and styling
 - AsyncStorage, Recoil, React Navigation, and Styled Components libraries
- Jira for project management and organization
- Version Control - Git, Github, Bitbucket