GitHub: https://github.com/ho-tony
Linkedin: https://www.linkedin.com/in/ho-tony/

Tony Ho

ho.tony7777@gmail.com | (718) 878-0591 | Plainfield, NJ

EDUCATION

Johns Hopkins University   **Aug. 2020 - May 2024**
Computer Science and Applied Mathematics & Statistics 3.35 Major GPA   Baltimore, MD
- Notable Coursework: Full Stack Javascript | Object Oriented Software Engineering | User Interface & Mobile Applications | Data Structures

Governor Livingston High School (Graduated)
High School Diploma   Berkeley Heights, NJ
- **Top 4% - National Mathworks Math Modeling Competition**
- President of Science National Honor Society Club
- Treasurer of Tri-M Music Honor Society
- Varsity Athlete of the Swim Team

PROJECT EXPERIENCE

Try Split It
- **Progressive Web Application** written in **React Native** in **Material UI** that targets college students to help save money in services such as Uber by assisting them in finding other students to cost pool.
- Built the **User Routes** and **UserDAO** for all API calls related to Users.
- Assisted in the integration of **Single Sign On Authentication** to help authenticate Johns Hopkins University students using **Passport** using their respective Johns Hopkins email.
- Implemented Email notifications using **Node Mailer** and tested using **Mailtrapper** in order to notify users of changes within their trips such as new users joining.
- Complete back-end thoroughly tested with **Postman.**
- Built using **MongoDB, Express, React Native, Node.js.** and deployed using **Heroku.**

Stock Analysis
- Self written **Python** application that provides insight to a user given stock such as P/E ratio, P/B ratio, and 52 week high and low.
- Scrapes data from Yahoo Finance using **Pandas Datareader** and visualizes stock growth using **Matplotlib**
- Finds the correlation between two stocks and the amount of variance explained because of the two stocks using **NumPy**.

Android Swiping Based Task Management App
- **Android** application written in **Java** that helps users manage their tasks using swipe based gestures and repeating tasks.
- Designed using **Figma**.
- Employs **OOP** principles
- Implemented two **CRUD** backends using **SQLiteDatabase** and **SQLiteOpenHelper** to help users save their categories and tasks.

RELEVANT SKILLS

- **Programming Languages**: Java | Javascript | Python **|** C/C++ **|** Assembly
- **Web Related Technologies:** React Native | React.JS | Bootstrap | Tailwind | Postman | Heroku
- **Data Analysis Technologies:** NumPy | MatPlotLib | Pandas | Yahoo Finance | Jupyter Notebooks
- **General Technologies:** Git | Unix | Figma | Visual Studio Code | VIM | Emacs | IntelliJ | Android Studio | Eclipse