Brian Liang

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brianliang.me

WORK EXPERIENCE

Expedia Group - Software Engineering Intern

June - Sep 2018   //   San Francisco, CA

- Worked on the Hotwire Hotel team on full-stack development in AngularJS and Java Spring.
- Implemented an upsell modal with a 10% exposure rate and achieved higher customer retention.
- Built a pipeline to optimize data retrieval on hotels from Brand Expedia inventory databases.

Inetsoft Technology - Software Engineering Intern

June – Sep 2017   //   Piscataway, NJ

- Ported data visualization software from Flash/Actionscript to Angular/Typescript.
- Assisted senior developers on bug analysis and resolution - successfully resolved over 40 bugs.
- Utilized Chrome developer tool to quickly identify layout, UX problems, and solutions.

PROJECTS

Slackathon - 3rd place

- Developed a carpool slack bot in 10 hours at Slack's first hackathon and placed 3rd overall ($2,500).
- Utilized Node.js / Express, implemented Slack / Google API's, and persisted data with PostgreSQL.

Amber - HCI - tylrodg.github.io/amber

- Developed site with refined UI/UX for information on Amber Alerts and general child protection.
- Implemented Bootstrap, Javascript/JQuery scripts, and Google API's for look/feel and functionality.

Classy Taxi - ML - jonathanchan.me/classy-taxi

- Processed datasets and built statistical models to predict taxi-ride prices based on preprocessed attributes.
- Achieved statistically significant results and concluded that J48 decision tree was optimal.

EDUCATION

Northwestern University - B.A. Computer Science - GPA: 3.7/4.0

Sep 2016 - June 2020   //   Evanston, IL

- Algorithms
- Computational Photography
- Computer Programming
- Computer Systems
- Data Structures
- Databases
- Discrete Math
- Game Development
- Human Computer Interaction
- Machine Learning
- Networking
- Programming Languages
- Linear Algebra
- Multivariable Calculus
- Statistics

ACTIVITIES

Institute for Student Business Education - Lead Developer

Sep 2016 - Jan 2017   //   Evanston, IL

- Worked with four other students to refactor a stock market analysis app from Matlab to Python.
- Guided less experienced members to complete web scraping and GUI implementation.

.Dev: Software Development Club - Developer

Jan 2018 - Present   //   Evanston, IL

- Prototyped and began development of an Internship-experience-sharing platform (Innerview).
- Full stack developer, with a focus on the backend (currently learning backend technologies).

LANGUAGES

- Java   Python   SQL
- JavaScript   TypeScript
- C#   C++   C

FRAMEWORKS/TOOLS

- Angular   Node.js   Unity
- Git   NPM   PuTTY
- Jest   Jasmine   Tensorflow

INTERESTS

- Food   Design   Tech
- Travel   Ping-Pong   reddit
- Coffee   Mochi   Pizza