

# Brian Liang

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brianliang.me

## WORK EXPERIENCE

### Expedia Group - Software Engineering Intern

June - Sep 2018 // San Francisco, CA

- Contributed to the Hotwire Hotel team through full-stack development in AngularJS and Java Spring.
- Constructed an upsell modal with a 10% exposure rate and achieved higher customer retention.
- Implemented 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.
- Collaborated with senior developers on bug analysis and resolution - successfully resolved over 40 bugs.
- Employed Chrome developer tools to quickly identify layout, UX problems, and solutions.

## PROJECTS

### Slackathon - 3rd place

- Deployed 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

- Launched site with refined UI / UX for information on Amber Alerts and general child protection.
- Incorporated 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 feature engineered attributes.
- Attained 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                | • Databases                  | • Networking             |
| • Artificial Intelligence   | • Discrete Math              | • Programming Languages  |
| • Computational Photography | • Game Development           | • Software Construction  |
| • Computer Systems          | • Human Computer Interaction | • Linear Algebra         |
| • Data Structures           | • Machine Learning           | • Multivariable Calculus |

## ACTIVITIES

### Institute for Student Business Education - Lead Developer

Sep 2016 - Jan 2017 // Evanston, IL

- Coordinated 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 spearheaded 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  |