# Brian Liang

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## 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.

### Independent Development  //  Summer 2016

- Self-taught Unity Game Development and created a cross-platform game using C# and Unity's SDK.

## 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