

# Bruce Weng

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AngelList: [angel.co/bruce-weng](https://angel.co/bruce-weng)

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## LANGUAGES AND TECHNOLOGIES

- **Proficient:** JavaScript (ES6), Python, Java, jQuery, ReactJS, AngularJS, Redux, Flux, Alt, Webpack, Babel, Node.js, Express, SQL, PostgreSQL, SQLite3, Firebase, HTML5, CSS3, Sass, d3.js, Ionic, Heroku
  - **Exposure:** Ruby, Rails, RSpec, Git, Flask, MongoDB, Memcached, Redis, AWS (S3), Consistent Hashing
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## PROFESSIONAL EXPERIENCE

### Full-Stack Software Engineer | Miawai | San Francisco, CA

2016 - Present

- Constructed real-time photo messaging dating advice service with 200+ users utilizing JavaScript, AngularJS, Ionic, and Firebase for hybrid functionality across iOS and Android platforms.
- Followed scrum agile development on team of 3 engineers with daily standups and Git for version control.
- Developed rating system using AngularJS for users to leave immediate feedback on the application on both the [App Store](#) and [Google Play Store](#).
- Incorporated Stripe API into Node.js RESTful API for mobile payments, storing user credits in Firebase DB.

### Full-Stack Software Engineer, Intern | APPLYTE (through ALPHA Camp) | Taipei City, TW

2015 - 2015

- Led team of 7 in creating a SaaS college application portal with Ruby on Rails, JavaScript and SQLite3 DB, presenting the platform to CEO of [Infocomm Investments](#).
  - Reduced cost of school applications for students by ~91% by developing education program search engine and progress management system using Ruby on Rails and JavaScript.
  - Architected scalable RESTful API backend in Ruby on Rails with 29 models and polymorphic associations.
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## RECENT PROJECTS

### Full-Stack Software Engineer | Air Alien | [live](#) | [code](#)

2016

*Online reservation tool for frequent travellers to quickly find and book nightly accommodations in their destination city.*

- Enabled reservation system for users to book rooms by integrating PayPal and Facebook API into Rails server.
- Designed a real-time private messaging system by creating MVC for Conversations and Messages.
- Automated unit testing for 15 Ruby on Rails features with e-commerce based elements utilizing RSpec.
- Engineered responsive layouts with custom CSS3 media queries for multi-device and browser support.
- Utilized the Webpack build tool to compile ES6 with Babel into ES5 bundle script served by an Express server.

### Full-Stack Software Engineer | Chirper | [live](#) | [code](#)

2016

*Online networking community for lovers of stream of consciousness writing to connect through their micro blog posts.*

- Saved engineering team ~10 hours weekly in debugging ReactJS front-end views by engineering Flux-like unidirectional data flow for predictable state management.
- Produced 9 components using ReactJS and React-Router to minimize HTTP requests to the server by ~75%.
- Built a pull model in JavaScript to fetch data from blogging and friendship services to render on News Feed.
- Implemented Promises with thunks as a middleware to exchange chirp data with the Node.js server.

### Full-Stack Software Engineer | Restaur Predict | [code](#)

2015

*Restaurant feedback prediction and classification engine designed for efficient usage of features in large chunk of info.*

- Engineered classification algorithm in Python to mine 5000 Yelp reviews and predict feedback characteristics.
  - Optimized prediction performance by ~20% by creating multiple clustering algorithm and building new features in reviews utilizing Python.
  - Applied association algorithm to Yelp data using Python and modified the model with different search criteria and scoring methods to identify features most critical to improving performance.
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## EDUCATION

**M.S. Mechanical Engineering (Software Engineering Concentration), Purdue University**

2015

**B.S. Mechanical Engineering, National Taiwan University**

2012