TE-WEI(Bruce) WENG

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Objective: Full-time Full-stack Software Engineer

EDUCATION

Purdue University, West Lafayette, IN, USA   **Dec 2015**

Master of Science in Mechanical Engineering

- Concentration: Software Engineering, Data Analysis, Web Development
- Courses include: Algorithm Design, Data Mining, Database Systems, Data Visualization Theory and Practice, Computing for Engineering

Alpha Camp (Startup Bootcamp), Taipei City, Taiwan   **May 2015 – Aug 2015**

- Concentration: Full Stack Web Development, Growth Hacking, Startup Entrepreneurship
- Courses include: Product Development, Front-End Development, Ruby on Rails Web Development, Rails Testing, Test Driven Development

Oregon State University, Corvallis, OR, USA   **Sept 2011 – Jun 2012**

- Exchange Program in School of Engineering | GPA: 3.82

National Taiwan University, Taipei City, Taiwan   **Sept 2007 – Jun 2012**

- Bachelor of Science in Mechanical Engineering | GPA: 3.73

SKILLS

Ruby on Rails Stack	JavaScript Stack	Database System | Caching
• HTML, CSS, jQuery, Bootstrap, Ruby on Rails	• ReactJS, Flux, Redux, Express, NodeJS, Webpack	• PostgreSQL, MongoDB, Memcached, Redis, Consistent Hashing
Programming Language	**Version Control Software**	**System Design**
• JavaScript, Java, Ruby, Python	• Git with Bitbucket/Github	• Blog, Chat, Location Based Service

PROJECTS

Web Development | FlashCard (JavaScript, Front-end) | http://www.flashcard.space   **May 2016 – Present**

- Developed a ReactJS app in ES6 syntax with Redux to manage store by reducers and maintain data immutability
- Designed a study mode feature to aid memorization by spaced repetition algorithm
- Implemented asynchronous actions with thunks as middleware to exchange data with the server

Web Development | Chirper | Microblogging App (JavaScript, Front-end) | http://www.chirper.xyz   **Feb 2016 – May 2016**

- Developed a Twitter-like microblogging App using the Flux architecture, with ReactJS powering the views
- Designed a pull model fetching data from blogging service and friendship service and rending on the News Feed

Web Development | CodeHunt (JavaScript, Front-end)   **Mar 2016 – Apr 2016**

- Built a ReactJS app in ES6 syntax using Flux architecture with Alt and a real-time back-end, Firebase cloning Product Hunt
- Created social authentication with Facebook Single sign-on and implemented voting function for the products

Web Development | AirAlien | Startup Project (Ruby, Full Stack)   **Jan 2016 – Feb 2016**

- Developed a reservation management system with Ruby on Rails, Bootstrap, jQuery and Facebook, PayPal and Google Map API
- Built 15 features with e-commerce-based element using AJAX and implemented automated unit testing with RSpec

Data Visualization | Interactive Data Visualization for the Web (JavaScript, Front-end)   **Jan 2015 – May 2015**

- Built an interactive website to categorize Purdue engineering courses in time and locations with information visualization methods
- Developed website front-end in HTML, CSS, JavaScript, jQuery and D3, and tracked web traffic using Google Analytics
- Led web traffic to website, resulting 230 sessions and 35% returning users in 4 days

EXPERIENCE

Team Leader | APPLYTE (Startup Project) | Alpha Camp, Taipei City, Taiwan   **May 2015 – Aug 2015**

- Operated a lean startup of seven consisting designer, web developers and growth hacker to construct a SaaS Application
- Demonstrated to Head of Infocomm Investments - Singapore venture capital firm and several startup CEOs

Team Leader | Hack the Anvil | Purdue University, West Lafayette, IN   **Mar 2015**

- Lead a team of four from different graduate programs to develop an Android App and a Javascript-based back-end at a 36-hours hackathon
- Finished in the top 14 among 100+ teams and presented to sponsors including Apple, Microsoft, Cisco, etc.

Graduate Research Assistant | Purdue University, West Lafayette, IN   **Aug 2013 – May 2014**

- Fitted chemical reaction rate model of DNA tiles with kinetics to experiment data and analyzed uncertainty of statistical result in MATLAB
- Published 1 paper on leading journal in chemistry field with impact factor 11.4 in 8 months

Second Lieutenant | Ammunition Warrant Officer | Taiwan ROC Army, Hsinchu, Taiwan   **Aug 2012 – Jul 2013**

- Directs and coordinates the implementation of the following activities: Accountability, receipt, storage, issue, inspection, maintenance and demilitarization of conventional ammunition, components, residue and inert training ammunition devices