Felix (Zheng) Wei

3A Systems Design Engineering

Highlights

- Languages: JavaScript(ES6), Java, C++, Python
- Frontend technologies: AngularJS, Ember.js, webpack, CSS & pre-processors
- Backend & Database: Java EE, PostgreSQL, Hibernate, MongoDB, Play with Scala/Java, Flask
- Extensive experience with agile software management and development
- Delivered high quality, value-adding projects throughout internships

X Professional Experience

Software Engineering Intern (FinTech)

Street Contxt, Toronto, ON

Jan. 2016 - May 2016

- Led the full stack development of the admin platform using AngularJS, Java, Hibernate, Play framework, and PostgreSQL
- Developed various backend REST API services, ORM models and DB migration scripts using Java, Hibernate and PostgreSQL
- Worked on various tech enhancements for the code base including rewriting sbt-build plugin for Play in Scala to allow webpack integration using npm, the plugin gained significant traction as a result
- Refactored frontend client side JavaScript to ES6

Software Engineering Intern (EdTech)

SMART Technologies, Calgary, AB

May 2015 - Aug. 2015

- Designed and developed full stack infrastructure for integrated workflow support for SMART amp using Ember.js and Java
- Enhanced SMART amp's existing RESTful API to implement server-side user validation in Java
- Created a sports-themed game for SMART Notebook using Ember.js and JavaScript, received high praise from clients

Framework Developer

JSI Telecom, Ottawa, ON

Sept. 2014 - Dec. 2014

- Developed automation scripts for ALM infrastructure migration in TFS and source code from TFVC to Git using C# and Bash
- Designed workflow, UI and implemented triggers for ALM work items
- Customized JSI internal web app using ASP.NET in response to ALM infrastructure migration

Systems Engineering Intern

Ontario Ministry of Transportation, Toronto, ON

Jan. 2014 - May 2014

- Developed Bash scripts to manage the mailing service for Advanced Traffic Management System in Ontario
- Created web pages using JS/HTML/CSS to monitor and trouble-shoot COMPASS cameras on highways across Ontario

Projects

Instabuy, (Winner of best Visa API hack) Mhacks: Refactor

Feb. 2016

 Developed web platform to allow efficient e-commerce shopping and price monitoring using AngularJS, Flask, Twilio, Visa and various ecommerce APIs

KnowTheGame, (Winner of best Microsoft Azure hack) Deltahacks II

Jan. 2016

 Created web based application using Flask and Javascript to predict NBA game outcomes utilizing MS Azure's machine learning abilities

PriceAlert, (<u>& Winner of best Bloomberg API hack</u>) Hack the North II

Sept. 2015

 Designed and developed application to predict stock data and send alerts to investors based on input criteria using Bloomberg API, Flask, JavaScript, Twilio and Highcharts

Education

• Candidate for B.A.Sc. Systems Design Engineering, University of Waterloo Class of 2018, Merit Scholarship of Distinction