Felix (Zheng) Wei

3A Systems Design Engineering

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📂 Highlights

- Proficient in object-oriented programming with **Java, C++, Python**
- Excellent knowledge with full stack web design/development: **JavaScript (ES6), Flask, Play, Ember.js, AngularJS, PostgreSQL, Hibernate, MongoDB, CSS and preprocessors**
- Extensive experience with **agile** software management and development
- Delivered **high quality, value-adding** projects throughout internships

🔧 Professional Experience

Software Engineering Intern (FinTech)
Street Contxt, Toronto, ON   **Jan. 2016 – May. 2015**
- Spearheaded the full stack development of the Admin Interface for Street Contxt platform using AngularJS, Play, Java, Hibernate and PostgreSQL
- Created and extended various backend API services 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 and rewriting front end JavaScript to ES6, the plugin gained significant traction as a result

Software Engineering Intern (EdTech)
SMART Technologies, Calgary, AB   **May. 2015 – Aug. 2015**
- Designed and developed full stack infrastructure for integrated workflow support for new users 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 to TFS 2013 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

KnowTheGame, (*Winner of best Microsoft Azure hack***)** Deltahacks 2016   **Fed. 2016**
- Created web based application using Flask and Javascript to predict NBA game outcomes utilizing MS Azure's machine learning abilities

PriceAlert, (*Winner of best Bloomberg API hack***)** Hack the North 2015   **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

Pebble Runner, (*Available on Pebble App Store***)** Hack the North 2014   **Sept. 2014**
- Built and designed a pebble watch face that tracks the user's steps in device memory

📖 Education

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