# Felix (Zheng) Wei

3A Systems Design Engineering

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## 📂 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

## 🔧 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, (**🔗 *Winner of best Bloomberg API hack***)** 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