Zhiyang (Stid) Zhang

Computational Mathematics
Joint Computer Science
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Technical Skills

- Languages: JavaScript, HTML/CSS, Python, SQL, R, C/C++ and Bash
- Databases: MongoDB, PostgreSQL, MySQL and Oracle
- Tools: Git, Node.js, Raspberry Pi, RapidMiner, Docker, Heroku and Azure
- Operating System: Windows, Linux and Android

Summary of Qualifications

- Strong problem solving skills and team-work spirit
- Flexible and have an outstanding self-learning ability, familiar with agile methodology
- Capable to think from different perspectives and provide creative ideas at work

Work Experience

Sep. 2016 - Dec. 2016 — **Software Developer**, *PerkinElmer Innovation Lab*, Kitchener, ON.
- Completed inLAB and Project Predictive Maintenance from scratch
- Demonstrated prototypes to development team and optimized the workflow

Jan. 2016 - Apr. 2016 — **Investment Developer Support**, *Equitable Life of Canada*, Waterloo, ON.
- Rewrote and utilized Python overnight batches for financial data analysis
- Created unit test module for the portfolio management system

Jun. 2015 - Aug. 2015 — **Quality Assurance**, *Zhejiang Shine Technology Co., Ltd*, Guangdong, China.
- Participated in the maintenance and upgrade of the Office Automation System
- Built a web file management system for HR department with JavaScript and PL/SQL

Relevant Project

Nov. 2016 - Dec. 2016 — **Project Predictive Maintenance**, *PerkinElmer Innovation Lab*.
- Data science project that predicts maintenance schedule for lab instruments
- Implemented the machine learning process on both AWS and Azure platforms
- Worked with RapidMiner, R, scikit-learn and Node.js

Sept. 2016 - Oct. 2016 — **inLAB**, *PerkinElmer Innovation Lab*.
- IoT prototype project connects lab instuments with any devices from everywhere
- Designed web and mobile app UI using Meteor and Blaze
- Developed backend communication between instruments and server with MQTT protocol

Mar. 2016 - Apr. 2016 — **Equity Trading Automation System**, *Equitable Life of Canada*.
- Web application for equity trading automation process under Flask framework
- Pre-trade and after-trade processing with Bloomberg Terminal, VBA and ticketing system

Education

Sept. 2014 - Present — **Candidate for Honours Bachelor of Mathematics, Computational Mathematics, Joint Computer Science**, *University of Waterloo*, Waterloo, ON, Canada.