

# 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 - **Software Developer**, *PerkinElmer Innovation Lab*, Kitchener, ON.
- Dec. 2016
- Completed inLAB and Project Predictive Maintenance from scratch
  - Demonstrated prototypes to development team and optimized the workflow
- Jan. 2016 - **Investment Developer Support**, *Equitable Life of Canada*, Waterloo, ON.
- Apr. 2016
- Rewrote and utilized Python overnight batches for financial data analysis
  - Created unit test module for the portfolio management system
- Jun. 2015 - **Quality Assurance**, *Zhejiang Shine Technology Co., Ltd*, Guangdong, China.
- Aug. 2015
- 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 - **Project Predictive Maintenance**, *PerkinElmer Innovation Lab*.
- Dec. 2016
- 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 - **inLAB**, *PerkinElmer Innovation Lab*.
- Oct. 2016
- IoT prototype project connects lab instruments 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 - **Equity Trading Automation System**, *Equitable Life of Canada*.
- Apr. 2016
- 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 - **Candidate for Honours Bachelor of Mathematics, Computational Mathematics,**
- Present **Joint Computer Science**, *University of Waterloo*, Waterloo, ON, Canada.