

BORIS LIN

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EDUCATION

University of Waterloo

September 2013 - April 2018

4A/Senior, Bachelor of Computer Science, Honours, Co-op Program

- Courses Taken: Machine Learning, AI, Distributed System, Network, Security, Operating System, Algorithms, Database, OOP

SUMMARY OF SKILLS

- Programming skills: C/C++, Python, PHP, Perl, Pascal, Scheme
- Web development: Django, Tornado, Rails, Symfony, Docker, jQuery, React, MongoDB, MySQL, PostgreSQL, REST
- Three-year industrial experience with full-stack web development, AWS, DevOps (Ansible), Git, TDD, Agile
- Actively participated in competitive programming competitions (NOIP, NOI, ACM etc.) since 2005

WORK EXPERIENCE

Wish - ContextLogic

August 2016 - December 2016

Software Engineering Intern

San Francisco, CA, USA

- Doing full-stack web development in the platform team

Samsung Research America

January 2016 - April 2016

Software Engineering Intern

Mountain View, CA, USA

- Developed an enterprise web application called Electric Commander (EC) Monitor to enhance EC with analytical and statistical features using Symfony, Python, Perl, MySQL, jQuery and React.js
- Created EC and employee performance charts by analyzing and visualizing EC's database using D3 and Highcharts.js
- Implemented Live Job Build Tracker, a real time EC job performance monitoring web application, which is used by the entire infrastructure team with **more than 100 employees every day**

Vena Solutions

May 2015 - August 2015

Software Development Intern

Toronto, ON, Canada

- Set up Percona XtraDB Cluster on EC2 using Ansible and MySQL to improve database performance and reliability by 5%
- Developed software tools in Ansible and Java to effectively catch memory errors in multi-thread processes
- Improved RESTful API test coverage for back-end by 10% via Postman using JavaScript

Genesys Laboratories Canada Inc.

August 2014 - December 2014

Quality Assurance Intern

Markham, ON, Canada

- Carried out both automated and manual load and scale tests on media control platform using Bash, Perl and CGI
- Implemented automatic reporting system in C++ that provides platform and test performance analysis to team leads

PROJECTS (GitHub:borislin)

WatNotify (watnotify.ca) | Ruby on Rails · Python · jQuery · PostgreSQL

April 2016

- Lightweight course enrolment notification tool for University of Waterloo students which helped **more than 100 students** enrol in their desired class quickly with minimum efforts **within 24 hours** of launch
- Voiced out **more than 150 students'** demand for popular courses and presented analyzed and visualized back-end data to University of Waterloo to request for increase in class size

Optometry Data Analysis System | Django · jQuery · Highcharts.js · MySQL

September - December 2015

- Created a web app called ODAS in collaboration with Ziquan (Zack) Wang and **Prof. Frank Tompa** that helped manage and visualize optometric records and increase efficiency in generating optometric reports by 10 times

Mini-Twitter (goo.gl/W77WVz) | Ruby on Rails · PostgreSQL · TDD · Agile

June 2015 - March 2016

- Completed Ruby on Rails tutorial and developed Mini-Twitter, an open source social networking web application

Quadris | C++ · OOP · X11

May 2014 - August 2014

- Designed and deployed a desktop Tetris-like game called "Quadris" in both plain text and GUI in C++, OOP and X11