

BORIS LIN

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EDUCATION

University of Waterloo

September 2013 - April 2018

3B/Junior, Bachelor of Computer Science

- Courses Taken: Machine Learning (in progress on Coursera), AI, Distributed System, Network, Security, Operating System, Algorithms, Database, Compiler, OOP

SUMMARY OF SKILLS

- Programming skills: C/C++, Python, PHP, Perl, Pascal, Scheme
- Web development: Ruby on Rails, Django, Symfony, HTML5, CSS3, jQuery, React, MySQL, PostgreSQL, REST
- Two-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

Samsung Research America

January 2016 - April 2016

Software Engineering Intern

Mountain View, CA, USA

- Did full stack web development on creating 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 as well as employee performance charts for the management team by analyzing and visualizing EC's database using D3 and Highcharts.js
- Developed 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 back-end in both single-thread and multi-thread context
- 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

September 2015 - Present

- 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 present 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 application called ODAS in collaboration with Ziquan (Zack) Wang and **Prof. Frank Tompa** that helped better store, 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 self-learning Ruby on Rails tutorial by Michael Hartl and developed Mini-Twitter, an open source Twitter-style 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