

BORIS LIN

3B Computer Science, University of Waterloo

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WORK EXPERIENCE

Samsung Research America

Software Engineering Intern

January - April 2016 · Mountain View, CA

- Independently did full stack web development on creating web applications for internal job build analysis on infrastructure and hardware using Symfony (PHP), Python, Perl, MySQL and jQuery

Vena Solutions

Software Development Intern

May - August 2015 · Etobicoke, ON

- Built DevOps tools using Ansible that facilitate product deployment and maintenance
- Independently set up Percona XtraDB Cluster on EC2 and Softlayer using Ansible and MySQL to improve database performance and reliability by 5%
- Developed software tools using Ansible and Java to effectively catch memory errors in back-end in both single-thread and multi-thread context
- Contributed front-end functionality to Vena Cloud web app built in Backbone.js
- Improved API test coverage for back-end by 10% via Postman using JavaScript

Genesys Laboratories Canada Inc.

Quality Assurance Intern

August - December 2014 · Markham, ON

- Carried out both automated and manual load and scale tests on media control platform for call center solutions
- Developed automatic reporting system in C++ that provides platform and test performance analysis to team leads
- Implemented Perl CGI scripts to perform required tasks via HTTP requests with browser

PROJECTS

BOOKeeper · Rails, jQuery, React, PostgreSQL

November 2015 - Present

- Open source modern bookkeeping web application created for personal and friends' need

Optometry Data Analysis System · Django, jQuery, MySQL

September - December 2015

- Worked with Ziquan (Zack) Wang and Prof. Frank Tompa to create a web application that helps better store and manage optometric records and produce reports

Personal Website · HTML, CSS, Jekyll

July 2015

- Integrated HTML template and Jekyll blogging system

Mini-Twitter · Rails, Bootstrap, PostgreSQL, TDD, Agile

June 2015 - Present

- Completed self-learning Ruby on Rails tutorial by Michael Hartl and developed Mini-Twitter, an open source Twitter-style social networking web app

WLP4 Compiler · C++ · Finite-state Machine

January - April 2015

- Designed and implemented a full WLP4 (subset of C++) compiler (scanner, parser, error-checker & MIPS-code-generator) in C++, translating WLP4 into MIPS assembly language

Quadris · C++ · OOP · X11

May - August 2014

- Designed and deployed a desktop Tetris-like game called "Quadris" in both plain text and GUI

EDUCATION

University of Waterloo · 3B Bachelor of Computer Science · September 2013 - April 2018

Selected Coursework:

- Operating System · Algorithms · Database · Compiler · OOP
- Combinatorics & Optimization · Economics · Financial Accounting