DAVID LAI
3A COMPUTER SCIENCE

Experience

FreshBooks
Software Developer

Toronto, ON
Jan 2016 - Apr 2016

- Architected design to run multiple pricing split tests by writing a Statamic plugin to place new users in correct pricing group
- Implemented various A/B testing results from Optimizely which led to an increase in user conversion rates
- Collaborated in a cross functional team using agile methodologies to redesign web pages for FreshBook's new product
- Developed solutions for the backend legacy application using home grown PHP framework

Metroland Digital
Web Developer

Toronto, ON
May 2015 - Aug 2015

- Launched back-to-school campaign page; automated its weekly updates of products in MySQL database by writing a PHP script
- Optimized image load time on mobile application by reducing the number of API calls by creating an automatic image save functionality for the marketing team
- Redesigned and integrated the shopping list feature with another developer using jQuery and AJAX calls to backend
- Generated SEO friendly URLs by writing URL parsing functions and redirects

IBM
QA Automation

Toronto, ON
Sep 2014 - Dec 2014

- Improved Jenkins builds' stability by writing a batch script to monitor slave connections
- Reduced the average runtime of automated tests by 10%+ by refactoring scripts
- Maintained the quality of the product by managing 30+ selenium/VBA scripts

Projects

Sketchy | Java

- Created an Android painting application with various drawing and coloring tools, ability to pinch to resize shape, and support for horizontal and vertical orientation
- Utilized Java, Android SDK, and MVC architectural pattern

Stocks Watch | Ruby on Rails

- Competed in MHacks5 and created a web application to inform users of stock changes via SMS
- Built using Ruby on Rails, Bootstrap, MySQL database, Twilio, and Stock Quotes API

Pin Me | Ruby on Rails

- Built a web application which allowed users to find their parking spot or miscellaneous items by saving its locations which they can refer to in the future
- Used Ruby on Rails, Google Maps API, PostgreSQL, and Heroku

Simple FT | Python

- Wrote a client/server socket program in Python which allowed users to put and get files to and from a server using UDP and TCP connections.

Education

University of Waterloo
Candidate for Bachelor of Computer Science 2018

Contact

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- Dayvedde

Skills

LANGUAGES
Java
C/C++

WEB DEVELOPMENT
Ruby on Rails
Yii Framework
PHP
Statamic
HTML
CSS/LESS
JavaScript
Bootstrap

DATABASES
MySQL
PostgreSQL

TOOLS
Git
IntelliJ IDEA
Android Studios
Bash/Batch
Optimizely
Jenkins
NetBeans
MySQL Workbench

Activities

Badminton
- Competed in multiple open tournaments

Breakdance
- Member of UW Breakers