

DAVID LAI

3B COMPUTER SCIENCE

Employment

Ingle International Toronto, ON
Mobile Software Engineer Sep 2016 to Dec 2016

- Developed Travel Navigator mobile application from the ground up using React Native; responsible for functionality parity for iOS
- Improved mobile application render time by 50% by refactoring components to use Redux store
- Reduced the load time for weather data by caching API results hourly using RealmDB in iOS
- Automated process for importing LimeSurvey results to MySQL database; used JavaScript to call endpoint to trigger PHP resque jobs

FreshBooks Toronto, ON
Software Developer Jan 2016 to Apr 2016

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

Metroland Digital Toronto, ON
Software Developer May 2015 to 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 using jQuery and AJAX calls to backend
- Generated SEO friendly URLs by writing URL parsing functions and redirects

IBM Toronto, ON
QA Automation Sep 2014 to 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

Auto Texter | React Native

- Mobile application for sending texts automatically based on user defined rules such as location
- Built using React Native, Redux, and Native Android/iOS

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

Contact

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Skills

LANGUAGES

Java
C++
C
JavaScript
PHP
HTML
CSS

FRAMEWORKS/LIBRARIES

React Native
Redux
Laravel
Bootstrap
MaterializeCSS
Ruby on Rails

DATABASES

MySQL
PostgreSQL

TOOLS

Android Studios
Xcode
Git
IntelliJ IDEA
Optimizely
MySQL Workbench

Education

University of Waterloo
Candidate for Bachelor of Computer Science 2018