

ALSTON LIN

JS + RAILS + ANDROID DEVELOPER

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LANGUAGES

Java
JavaScript + ES6
Python
C / C++
HTML / CSS
C#
Ruby
Bash
Go

FRONT END

Android
React.js
jQuery
Unity
Bootstrap

BACK END

Rails
Node.js
PostgreSQL
MongoDB

AWARDS

WILDHACKS 2015
Second Place
PENNAPPS XIV
Linode Sponsor Prize
QHACKS 2016
AWS Sponsor Prize
CANADIAN COMPUTING
COMPETITION
120th Place of 1200+
TMX OPTIONS TRADING
SIMULATION
36th Place of 1700+

EDUCATION

UNIVERSITY OF WATERLOO
Bachelor of Software
Engineering
Class of 2020 (Expected)

WORK EXPERIENCE

IBM

JAN 2017 - ONGOING

JAVASCRIPT DEVELOPER

- Created and released a **CLI** to interact with Bluemix's Open Toolchain API
 - Implemented the ability to serialize and restore toolchains and their services
 - Migrated the Eclipse Orion codebase from **AMD + RequireJS to ES6 + Webpack**
 - Implemented a service that provisions and proxies **docker** containers for development
- JavaScript, Node.js, Go, CouchDB*

ENCIRCLE

MAY - AUG 2016

SOFTWARE DEVELOPER

- Submitted **200+ pull requests** to the database, server, web, and Android code base
 - Developed a **V8 debugger** capable of debugging JavaScript code running on Android
 - Built a custom mobile JavaScript integration **testing framework**
 - Created an automated **build script** for the web app using **webpack**
 - Incorporated a client side **heartbeat** for **web sockets** in the Android and web app
 - Implemented a **blob uploading** API endpoint with an Android and web interface for it
- JavaScript, Python, Java, C++, Android, React.js, PostgreSQL, JNI*

TRUTECH INNOVATIONS

JUN 2014 - ONGOING

FOUNDER AND HEAD DEVELOPER

- Led a team of several developers to complete various projects with a Scrum workflow
 - Architected and implemented the back end framework and several **API endpoints**
 - Designed and implemented a custom **ACL** based **permissioning framework**
 - Incorporated an automated **unit and integration testing platform**
- JavaScript, Java, Android, Node.js, React.js, PostgreSQL*

EVEREST MEDIA GROUP (CLIQ)

JAN - SEPT 2016

FREELANCE DEVELOPER

- Built the entire front and back end of the app from requirements to production
 - Incorporated an online **payment system** to create a marketplace using **Stripe**
 - Implemented a **music player** including a track queue and player controls
 - Incorporated an **analytics dashboard** that will keep track of various statistics of a user
 - Deployed the app into an **AWS** production server with **blue / green** deployment
- Ruby, Rails, JavaScript, HTML / CSS, Bootstrap*

PROJECTS

Complete list at alstonlin.io

CALCULALL

See it at bit.ly/1YJ2H7n

An Android calculator that can display fractions, perform indefinite integration, diagonalize matrices, and more. **4000+ Downloads**
Android, Java

LEARNING LOCK

See it at bit.ly/2cRZl1x (Open Beta)

A lock screen that learns how you unlock your phone to detect and lock out impostors even if they know your pattern.

Android, Java, Machine Learning

MURIQUI

See it at muriqui.xyz

A web app where students can crowd source unit tests for CS assignments.
Ruby, Rails, JavaScript, HTML/CSS, Bootstrap