ALSTON LIN

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Software Engineering

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PROJECTS

CALCULALL
June 2014 - September 2015
https://play.google.com/store/apps/details?id=com.trutechinnovations.calculall
An Android calculator that can display fractions, perform indefinite integration, diagonalize matrices, and more. *600+ Downloads*
Java, XML, Android, Data Structures, Design Patterns, Algorithms

MURIQUI
November 2015 - January 2016
http://muriqui.xyz
A web app where students can share their unit tests for Computer Science assignments. *50+ Active Users*
Ruby, JavaScript, HTML/CSS, Bootstrap, Rails, Databases

POLARFEED
November 2015
An Android Application where attendees of an event can share pictures online. *Won Second Place in WildHacks*
Java, XML, JavaScript, Android, Node.js, MySQL, Databases, RESTful APIs

WAR OF THE AGES
October 2013 - December 2013
A Real Time Strategy game where users build their city, economy, and army and play against an AI or others online.
Java, Graph Theory, Data Structures, Design Patterns

BLOCK SURVIVAL
October 2012 - December 2012
A 3D sandbox game, similar to Minecraft, created in Java and JMonkeyEngine (OpenGL Engine).
Java, 3D Graphics, Concurrent Programming, Design Patterns, Data Structures

See more projects at http://alstonlin.io

JOB EXPERIENCE

FOUNDER AND HEAD DEVELOPER
TruTech Innovations Inc.
June 2014 - Present
Developed high level frameworks for Android and Web applications
Coordinated a team of several developers to complete various projects
Implemented algorithms to simplify algebraic expressions
Projects: Calculall, Logistica (in Development)

CONTRACT DEVELOPER
Everest Media Group
December 2014 - Present
Led a small team in creating a Web application with Ruby on Rails
Developed a user account system with social networking features
Planned and implemented the database schema
Projects: Clique (in Development)

AWARDS

WILDHACKS 2015
Second Place
Northwestern University, November 2015
Out of 200 Teams

CANADIAN COMPUTING COMPETITION
Certificate of Distinction
University of Waterloo, April 2014
Top 130 of 1200

TMX OPTIONS TRADING SIMULATION
Certificate of Excellence
TMX Montreal Exchange, April 2015
Top 36 of 1700

LANGUAGES

Java	● ● ● ● ●
Python	○ ● ● ● ●
C / C++	○ ○ ○ ● ●
HTML / CSS	○ ○ ○ ● ●
JavaScript	○ ○ ○ ● ●
Ruby	○ ○ ○ ● ●

Fluent in English, French, and Mandarin

TECHNOLOGIES

Android	○ ● ● ● ●
Rails	○ ○ ● ● ●
Bootstrap	○ ○ ○ ● ●
Meteor.js	○ ○ ○ ○ ●
Node.js	○ ○ ○ ○ ●

THEORIES

Graph Theory	○ ● ● ● ●
Data Structures	○ ○ ● ● ●
Algorithms	○ ○ ○ ● ●
Design Patterns	○ ○ ○ ● ●
3D Graphics	○ ○ ○ ○ ●
Machine Learning	○ ○ ○ ○ ●

OTHER

Git
Bash
Vim
Material Design