

## 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

<http://muriqui.xyz>

November 2015 - January 2016

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



[alstonlin.io](http://alstonlin.io)



[a9lin@uwaterloo.ca](mailto:a9lin@uwaterloo.ca)



[linkedin.com/in/alstonlin](https://www.linkedin.com/in/alstonlin)



[github.com/AlstonLin](https://github.com/AlstonLin)



647 919 6699



[devpost.com/AlstonLin](https://devpost.com/AlstonLin)

## 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