

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.

Java, XML, Android, Data Structures, Concurrent Programming, 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.

Ruby, JavaScript, HTML/CSS, Bootstrap, Rails, Networking, Databases

POLARFEED

November 2015

An Android Application where users of an event can share pictures online.

Java, XML, JavaScript, Android, Node.js, MySQL, Networking, Databases, RESTful APIs

WAR OF THE AGES

October - 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, Networking, 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

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 Created the tables, columns, and joins in the database

Projects: Clique (in Development)

AWARDS

WILDHACKS 2015

Second Place

Out of 200 Teams

Northwestern University, November 2015

CANADIAN COMPUTING COMPETITION

Certificate of Distinction

Top 130 of 1200

University of Waterloo, April 2014

TMX OPTIONS TRADING SIMULATION

Certificate of Excellence

Top 36 of 1700

TMX Montreal Exchange, April 2015



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LANGUAGES

Java



Python



C / C++



HTML / CSS



JavaScript



Ruby



Fluent in English, French, and Mandarin

TECHNOLOGIES

Android



Rails



Bootstrap



Meteor.js



Node.js



THEORIES

Design Patterns



Data Structures



Graph Theory



Algorithms



3D Graphics



Machine Learning

