







MANVIR SAINI

 Abbotsford, BC
 (778) 808 5743
 Manvirsaini@protonmail.com

 manvirsaini.github.io
 github/manvirSaini
 linkedin/manvirsaini

EDUCATION

B.S., Computer Science

University of the Fraser Valley 01/2019 - 05/2022
Abbotsford, BC

Courses

- Design & Analysis of Algorithms
- Software Engineering
- Intro to Robotics
- Intro to Artificial Intelligence

TECHNICAL SKILLS

Proficient

- Java
- Git
- Python
- VS code

Learning

- C++
- React

PROJECTS

Python
Individual

Pathfinder

An implementation of A* path finding algorithm written in Python using Webots simulator. Using OOP principles this simulation has a three layer hierarchy: a firmware, map reading and path finding algorithm. This approach allows for maps to be changed and new algorithms to be implemented. This project helped solidify controlling robot physics, namely mechanics, through code.

Robotic Simulation

Java
Group

MyStudy Routine

A collaborative effort to help student better manage their school work written in Java using Android Studio. Using a database allows the student to store courses, assignments and routines. This app development followed standard software engineering principles and used git to maintain a working version at all times.

Android App

EXPERIENCE

May 2019
to
Aug 2019

Shipping Assistant

Phantom Screens

- Loaded trailers while working with a team and navigated forklifts during the loading process.
- Gathered and packed merchandise while maintaining a record of items.

INTERESTS

- 3D Printing
- CAD Modeling
- Space Efforts
- Robotics