Andy Le

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Skills

Language: Python, JavaScript, HTML, CSS, Java, Scheme, C/C++, C#

Libraries / Frameworks: Node, jQuery, Three, React, Angular, Django

Tools: Arduino, Virtual Box, Putty, WinSCP, MS Office, Maple T.A., Git

Projects

Blokus Game
- Web app based off the board game Blokus is an abstract strategy board game
- Developed with object oriented and imperative programing using Three.js, JavaScript, HTML, and CSS

A* Pathfinder
- Web app that allows the user to create a maze and generate the shortest distance between a starting point and an end point using the A* pathfinding algorithm
- Developed imperative programming using JavaScript, HTML, and CSS

Sudoku Solver
- Web app based off the logic-based game sudoku, with a built-in board solver
- Developed with imperative programming with backtracking using Python

Electromagnetic Robot
- Arduino based robot that picks up metal bits using electric currents, motors and sensors
- Developed using Python, C++, PyGame, and Arduino and controlled using an android app

Experience

Summer Camp Director (Hamilton Chinese Alliance Church)   June 2017 - Sept 2018
- Organized and effectively ran a camp for over 100 children, resulting in an enjoyable experience for everyone involved
- Collaborated in a team with other directors to create a structured schedule incorporating daily themes for different stations and teams to follow for week

Busboy (Mandarin)   June 2016 - May 2017
- Work and communicate with restaurant staff to create a positive dining experience for guests
- Ensure availability of clean dishes, silverware, napkins and other dining material

Education

Mohawk College   Expected 2022

Currently enrolled in Computer Systems Technology - Software Development

Relevant Courses

Programming in Java
- Designed object-oriented apps that make effective use of encapsulation, inheritance, polymorphism, interfaces, association, and arrays of objects

- HTML $ CSS
- Computer Training & Technical Writing
- Intro To Systems Analysis And Design
- Programming Fundamentals
- Intro To Networking