Erin Murphy

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ABOUT

Searching for a position as a software developer that utilizes my degrees in computer science and mathematics. My ideal position has me constantly learning and implementing interesting algorithms.

EDUCATION

Honours Bachelor of Science, Double major in Computer Science and Mathematics
University of Toronto, St. George Campus, Toronto – Graduated June 2021

SKILLS

Python, C++, Java, Javascript, HTML/CSS, JQuery

SAMPLE PROJECTS

Wordle Game and Solver

This project used heuristic searches, greedy algorithms and more. It was created using C++, Javascript, JQuery, HTML, and SCSS/CSS.

On my website, I built my own version of Wordle from scratch and made a 'guess suggester' that tells the player the optimal word to guess at each step of the game.

Sudoku Solver

This project used a recursive backtracking algorithm, brute force problem solving, maze navigation and more. It was created using C++.

The program solves sudoku puzzles by creating a decision tree, then strategically pruning branches until a valid path to victory has been found.

RELEVANT COURSES

Computer Graphics (CSC418H1)

Advanced Algorithm Design (CSC473H1)

Algebra I (MAT240H1)/ Algebra II (MAT247H1)

Introduction to Databases (CSC343H1)

Introduction to Artificial Intelligence (CSC384H1)

Programming on the Web (CSC309H1)