

Joseph Smiley

Wixom, MI

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Objective

Pursuing an internship within the computer science field to gain experience working with a team of people on large-scale projects in the industry

Education

University of Michigan - Dearborn

Dearborn, MI

Bachelor of Science in Computer and Information Science

Expected Graduation April 2024

Major: Computer Science

GPA: 3.70

Technical Skills

Programming Languages:

- C++, C#, Python
- MATLAB
- HTML/CSS
- SQL, SQLite
- x86 MASM

Technologies/Tools:

- Microsoft Word, PowerPoint, Excel
- Docker
- Microsoft Visual Studio and Visual Studio Code, Pycharm
- Unity Game Engine

Academic Projects and Coursework

Introduction to Artificial Intelligence

Winter 2023

- Created a program to solve an 8-puzzle in the most optimal way using an A* search algorithm

Database Management Systems

Winter 2023

- Cooperated with a ten-person team to design and present an object-oriented system for a grocery store that tracked stock, purchases, and total revenue

Software Engineering:

Fall 2022

- Learned industry practices having to do with large-scale projects and working with a large team
- Utilized agile development methodologies and software architectural techniques to design and implement practical solutions for a range of real-world applications

Data Structures and Algorithm Analysis:

Winter 2022

- Exposed to cases for different data structures as well as how to write efficient algorithms
- Worked independently to implement a leaderboard using an AVL Tree derived from a binary search tree
- Used merge sort and lexicographical sort implemented with bucket sort to sort a deck of cards systematically

Personal Projects

- Developed a 2D mobile game using Unity with C# scripts to manipulate the behavior of game objects
- Created a small website to build an understanding of web development using HTML and CSS

Work Experience

Target

Commerce, MI

General Merchandise

October 2019 - Present

- Provide a consistent experience for guests by ensuring the product is correctly displayed, as well as assisting guests on the floor by communicating sales