Devin Bowler

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LinkedIn | GitHub | Website

EDUCATION

Bachelors of Science in Computer Science August 2023 - May 2025
University of Massachusetts Amherst, Amherst, Massachusetts
Associate of Science in Computer Science January 2022 - December 2023
Mount Wachusett Community College, Gardner, Massachusetts
Cumulative GPA: 3.52

TECHNICAL SUMMARY

Proficient in Python, Java, & HTML, Experience in, C++, JavaScript (React), C# (Unity), and SQL

EXPERIENCE

Computer Science Tutor
Academic Success Center at Mount Wachusett August 2022 - Present

- Worked with different types (different majors and paths) of students where I had to adapt my understanding to aid in non-familiar CS topics & learned new material to help in areas I am not proficient in, ex. data visualizations
- Created an in-person, remote, asynchronous environment for students to understand advanced course materials anywhere, at their own pace.

SOFTWARE PROJECTS

Web Development
Quantumix | Schedule & Task Manager
Personal Project March 2023 - Present

- Used the MERN (MongoDB, Express, React, Node) stack to develop a task and schedule handling application for users to track their lives and share them.
- Designed a user-friendly interface that allows users to easily create, view, and manage their schedules, routines, and tasks, with features such as routine sharing, and communitive scheduling.

Machine Learning
Animal Recognition Model
Personal Project May 2022

- Using a premade dataset Animals10, trained a neural network on animal pictures to accurately predict and label unlabeled animal pictures at an accuracy of 82%.
- Developed skills in processing and filtering datasets, while using 2D convulsions and pooling to train the model and set weights.

Machine Learning
Reinforcement Autonomous Driving in Python
Personal Project October 2022

- Developed an autonomous driving race simulation that utilizes a convolutional neural network to teach the car how to complete the track by reinforcement learning.
- Implemented the GUI using Pygame, where we visualize every new generation of the model until the car has completed the track.