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: 3.65
Relevant Coursework: Data Structures & Algorithms, Database Design, Systems Programming, Discrete Math, Calculus 1 & 2, and Linear Algebra

TECHNICAL SUMMARY

Languages: Proficient in Python, Java, & HTML, Experience in, C++, JavaScript (React), C# (Unity), MongoDB and SQL
Software: Git, Linux, Jupyter Notebook, Google Colab, VSCode, and Anaconda

EXPERIENCE

Computer Science Tutor
Academic Success Center at Mount Wachusett August 2022 - September 2023

- Adapted teaching methods to assist diverse student backgrounds in various CS subjects, including self-learning new topics like data visualizations, and software like Tableau.
- Created an in-person, remote, asynchronous environment for students to understand advanced course materials anywhere, at their own pace.

Undergraduate Machine Learning Researcher
UMASS Amherst CICS Department June 2023 - August 2023

- Specialized in novel view synthesis and video inpainting for an AR project, enhancing the speed and efficacy of obscured facial feature rendering from low-resolution video feeds.
- Improving real-time 3D holographic communications by integrating Instant NGP for NVS to render real time depictions of users not seen on camera in under 60s using processed data.

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 commutative 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 convolutions and pooling to train the model and set weights.