

Adam Corkhum

Marshfield, MA 02050 • adam_corkhum@student.uml.edu • (781) 327-2732 • linkedin.com/in/adam-corkhum

Education

University of Massachusetts Lowell – Lowell, MA

May 2025

Bachelor of Science in Computer Science

GPA: 3.2

Relevant Coursework: Computing I-IV, Software Engineering I-II, Assembly, Comp. Architecture, Operating Systems, Discrete Mathematics I-II, Calculus I-II, Probability and Statistics

Technical Skills

Languages: C, C++, C#, Rust, Assembly (MIPS, x86, y86), Java, JavaScript, Python

Tools / Frameworks: LaTeX, HTML, Unix/Linux, Windows 10/11

Academic Projects

Super Math Maker

Fall 2023

- Developed/Documented 2D Platformer game using Godot engine to reinforce math skills for 4th-8th graders
- Collaborated with team by dividing tasks and meeting weekly to ensure requirements and deadlines are met

Sokoban

Spring 2023

- Designed 2D puzzle game using SFML and C++ that translates a text file into a playable level
- Utilized 2D vectors to manage game state by indexing the position of the player and game objects, optimizing game updates and data storage

Checkers

Spring 2023

- Created a checkers game using SFML for graphics and input and implemented in C++
- Employed principles of OOP such as encapsulation and polymorphism to implement game logic including move validation, piece management, and game state transitions

Evil Hangman

Spring 2022

- Programmed a hangman game in C that secretly changes the selected word in order to make it more difficult for the user to guess
- Demonstrated principles of OOP in C using a custom built dynamically resizing vector and AVL tree to split the list of words into families based on the letter guessed and select the largest remaining family

Relevant Experience

STEM Play, Marshfield, MA

STEM Instructor

March 2023 - Present

- Guide elementary students in programming and robotics programs consisting of MakeCode, Minecraft Education and LEGO Spike Prime
- Organize activities and material for 5-week cohorts of 6-18 students as well as week long summer camps

Leadership Experience

University of Massachusetts Lowell, Lowell, MA

May 2022 - Present

Smash Bros. Club President

- Plan team meetings and tournaments for club of over 80 members
- Facilitate scheduling, budgeting, and communication of upcoming club events
- Meet biweekly with club leaders and faculty to discuss goals and promote a friendly environment

Troop 101 Marshfield, MA

June 2019

- Achieved Eagle Scout Rank and three Eagle Palms, completing 21 required merit badges and an additional 15
- Completed Eagle Project consisting of 100+ hours of work building Amphitheater for local church