

Mason Anderson

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Education

Creighton University Omaha, NE

Expected Graduation: May 2026

Cumulative GPA: 3.86

B.S. Computer Science | Minor Data Science and Economics

Experience

Wells Fargo

December 2024

Software Engineer Intern Simulation

Remote via Forage

- Understood relevant requirements for building a system to manage financial portfolios.
- Figured out what data the system needed to keep track of.
- Drafted a visual representation of the data as an entity relationship diagram (ERD).
- Used the IntelliJ developer application to implement the ERD and published it to GitHub.
- Performed operations in Java and accessed data using Spring and JPA.

Creighton University

January 2024 - Present

Teacher Assistant | CSC 121: Computers and Scientific Thinking

Omaha, NE

- Assist in delivering a multidisciplinary course integrating computer science with natural sciences, focusing on the scientific method, computer modeling, and problem-solving.
- Grade homework and provide feedback on student assignments, emphasizing the development of critical-thinking skills and the application of computer programs to scientific inquiry.
- Host office hours to support students in understanding course material, guiding them in developing Web-based programs for data analysis and system modeling.
- Facilitate discussions on the interdisciplinary nature of computing, helping students appreciate how different scientific disciplines utilize technology to solve complex problems.

Projects

2D Game Portfolio

• Designed and developed a 2D portfolio game using the Kaboom.js library and Vite, showcasing interactive elements and dynamic gameplay. The game features a custom-built map, sprite animations, and touch/mouse-based controls. Implemented collision detection and interactive dialogues triggered by player movements, enhancing engagement. Leveraged JSON for map and spawn point configurations and created modular JavaScript utilities for camera scaling and text rendering. Integrated CSS for responsive styling and seamless user interface components. This project demonstrates proficiency in game development, interactive design, and JavaScript-based libraries. Link: <https://mason-anderson.com/>

Weather App

• Developed a dynamic weather application using React, Vite, and Tailwind CSS that provides real-time weather data. The app integrates with the Weatherstack API to display current temperature, weather conditions, wind details, UV index, and humidity based on user-provided locations. Implemented responsive and visually appealing components for location input, data visualization, and spinner-based loading states. Optimized the user experience with conditional styling for day/night modes and error handling for API requests. The project leveraged modern development tools like React Hooks, Tailwind's utility-first CSS framework, and Vite for efficient development and build processes.

Other Projects:

Roulette Game Simulation, Credit Card Verification, Knapsack Optimization, Recursive Backtracking Puzzle Solver, Greedy Schedules, Browser Duck Hunting Game, Brute Force Approximation, Generate and Test

GitHub: <https://github.com/MasonAnderson4/Projects>

Skills

Languages: *Proficient:* Java, Python, HTML, JavaScript | *Familiar:* R, CSS, SQL, C++

Other Skills: React, nodeJS, vite, tailwind, kaboom.js, data structures, algorithm design and analysis, database design, object-oriented programming, statistical modeling, statistics and probabilities

Honors & Awards

Creighton University Dean's List

2022 – Present

Phi Delta Theta Risk Manager

Jan. 2024 – Dec. 2024

Cohen, Joella End Scholar

2024 – Present