

Jacob Anderson

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EDUCATION

University of Utah

Bachelor of Science in Computer Science (GPA 3.97/4.0)

Salt Lake City, Utah

August 2023 - May 2026 (expected)

Weber State University

Associate of Science in General Studies (GPA 4.0/4.0)

Ogden, Utah

August 2021 - May 2023

PREVIOUS WORK EXPERIENCE

Teaching Assistant

University of Utah

August 2024 – Present

Salt Lake City, Utah

- Worked as a teaching assistant for the Object-Oriented Programming class (CS 1410)
- Frequently held office hours to help students learn material and fix errors in their code
- Worked with a team of TA's to grade the class's assignments, quizzes, and exams
- Ran weekly lab sessions with a group of students

Robotics Camp Instructor

University of Utah

May 2024 – July 2024

Salt Lake City, Utah

- Ran the Graphics and Robotics section of the University of Utah's GREAT camps
- Gave campers various challenges to accomplish using LEGO Mindstorms robots
- Incorporated core programming concepts like logic and control flow into the lessons

Lifeguard

South Davis Recreation Center

May 2020 – August 2023

Bountiful, Utah

- Worked together with a team of lifeguards to keep patrons in the facility safe
- Mentored and trained newer lifeguards so they could succeed in their role
- Maintained the pools and surrounding areas to ensure they were safe and cleanly

PROJECTS

Web Conferencing | *Go, JavaScript, WebRTC, Pion*

- Created a multi-person web-based video conferencing app using JavaScript with Go as the back-end
- Users can enter a room code and are then connected to a video call with other users in the room
- Sent audio and video data using WebRTC via the Pion library in Go

Sort Visualizer | *Java, Swing*

- Developed a program that allows people to visually see how different sorting algorithms function
- Added the ability for the user to adjust the speed of the sorting and the number of elements being sorted
- Implemented functionality that allows the user to pause the program and walk through step-by-step
- Created using Java and Java's Swing framework

SKILLS

Languages: C#, Java, Go, C/C++, Python, SQL, MySQL, JavaScript, HTML/CSS

Developer Tools: Git, Github, Databases, Visual Studio, IntelliJ

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Development, Databases, Web Development, Data Analysis, Statistics, Linear Algebra