Jeremy Hutchings

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Bachelor of Science in Software Engineering   **May 2024**
Utah Tech University   St George, UT
- GPA 3.91
- UT Scholarship for >3.75 GPA
- Achieved Presidents List four semesters (GPA >3.9)

EXPERIENCE

Lab Assistant   **Aug 2022-Present**
Utah Tech University   St George, UT
- Tutor computer science students in various courses, including C++ programming, algorithms and data structures and helping them to improve their understanding and grades.
- Assist in maintaining the lab and providing technical support to students when necessary.

PROJECTS

Go Gas   **Jun 2022-Jul 2022**
- Gas price tracking web application using HTML, CSS, and Vue 2 for the front end and Node.js, Express, Passport, and MongoDB for the back end.
- Implemented user authentication and authorization using Passport for secure access to the application.
- Presented to local businesses that provided positive feedback on the usefulness and quality.

Fractal Image Generator   **Aug 2022-Dec 2022**
- Created a fractal image generator using C++ and various mathematical formulas to generate complex fractal patterns for a Computer Science course at Utah Tech University.
- Developed a Command Line Interface (CLI) executable and a Graphical User Interface (GUI) executable using OpenGL for user input and visualization of generated fractal images.
- Improved programming and software engineering skills in C++, object-oriented design, algorithm optimization, and introduced into multi-threading.

Chirp   **Jun 2022-Jul 2022**
- Social media web application that allows users to post messages with embedded Spotify songs for sharing, using HTML, CSS, JavaScript, Node.js, Express, and MongoDB.
- Collaborated with three team members to implement the application in a fast-paced hackathon environment, taking on a full-stack development role and contributing to both the front-end and back-end components.

SKILLS

- Python
- C++
- JavaScript
- Vue.js
- MongoDB
- MySQL
- Node.js
- HTML/CSS