

Nathan Hutton

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EDUCATION

Westminster University (pka Westminster College)

Expected Graduation: June 2024

Computer Science Bachelor's Degree

SLC, UT

- **4.0 GPA**

- Studied abroad in Spain briefly

Salt Lake Community College

June 2021

Associate of Science Degree

SLC, UT

- **4.0 GPA**

- Earned degree while in High School

RELEVANT WORK EXPERIENCE

Software Engineer Intern

Mar. 2023 – Present

Idaho National Laboratory

SLC, UT

- Complete various software tasks on a Linux system, including configuring CI/CD pipelines, working with radio waveform C/C++/Python/MATLAB code, configuring GUIs, creating test harnesses, and employing various DevSecOps practices to solve tasks.

Computer Science Tutor/TA

Sep. 2022 – Present

Westminster University

SLC, UT

- Engage in weekly personal tutor sessions to help first year computer science students understand the fundamentals of the field and get through assignments. TA for the computer science lab sessions every week.

IT Technician

Aug. 2021 – Present

Westminster University

SLC, UT

- Help students and teachers with technical issues over the phone and in a classroom setting.

NOTABLE PROJECTS

- **Ray-Tracer**: Replicate the physics of light in a 3D scene to create an image. All done in python, no packages. Functionally for multiple objects, smooth shading, spheres, triangle meshes, directional, point, and Phong lighting, shadows, and 3D transformations.
- **Squibblets**: Semester long 2D Unity team project using AGILE. Includes leaderboards with a database (no longer supported due to cost), music, artwork, animations, enemy and player movement, UI, sound effects, level transition and level tiling, and math problems geared towards children. A web version (with several missing features due to Itch.io limitations) can be found [here](#).
- **MiniJava Compiler**: Compiler created in Java with features such as type-checking, lexing and parsing with ANTLR4, JVM assembly code generation, AST generation, class and block structure (flow control), print statements, package inclusion, and method calls.

GitHub: <https://github.com/Nathan-Hutton>

Personal Website: <https://nathan-hutton.github.io/CV2/>

LinkedIn: www.linkedin.com/in/nathanhutton