

DALTON RUTLEDGE

daltonrutledge80@gmail.com • (928)-864-8267 • Salt Lake City, Utah, 84105

Goal: Entry Level Research or Software Engineering Position

Recent graduate of Westminster Honors College with experience in human-computer interaction research, and agile development. Seeking to actively contribute and develop skills in a professional software development setting.

TECHNICAL SKILLS

Experience developing programs with the following languages and tools:

JavaScript, HTML, CSS • Java and SQL • Python • C, Bash, and NGINX • Unity and C#

Experience implementing the following concepts through programming:

Data Structures • Advanced Searching Algorithms • Model Optimization
Database Design • Version Control • Web and Desktop Application Development • User Interface Design

EDUCATION

Westminster Honors College • Salt Lake City, Utah

Bachelor of Science Computer Science, Graduated May 2020, Major GPA 4.0

University of Glasgow • Scotland, UK (Spring 2018)

RESEARCH EXPERIENCE

REU Student Researcher • Computational Sensing for Human Centered AI REU • New York (Jun - Aug 2019)

- Independently developed and tested new eye-tracking based magnification software targeted at low-vision computer users.
- Created and oversaw the use of two web-based human-computer interaction experiments in order to test software prototypes with human subjects.

WORK AND PROJECT EXPERIENCE

Web Programmer • Westminster College • Utah (Aug 2019 - Present)

- Create, manage, and maintain web content and web applications for Westminster College.
- Work tightly within a professional agile team, coordinating on several projects with the team daily.

Machine Learning Android Application (Capstone) • Westminster College • Utah (Jan 2020 - May 2020)

- Developed fully deployed mobile application for classifying birds on Android using machine learning and audio processing techniques.
- View the project at <https://github.com/dalton-rutledge/Tweeter>.

Systems and Programming Teaching Assistant • Westminster College • Utah (Aug 2019 - Dec 2019)

- Assist students in developing their C-programming skills and computer systems understanding.
- Teach C-programming and computer systems fundamentals during independent office hours.

Math Games Web Application • Software Engineering Final Project • Utah (Jan - May 2019)

- Together with a team, designed and developed an end-to-end functional web application for teaching 1st graders basic mathematical operations.
- Applications features full email validation process, login, database for game statistics, and two separate user pools.
- View the project at <http://coldcuts.s3-website-us-west-2.amazonaws.com/>.

Student Honors Associate • Westminster Honors College • Utah (Aug 2017 - Aug 2019)

- Manage and handle technological needs of the Honors building.
- Assist and educate visitors about the Honors program. Market to prospective students the opportunities offered by the Honors program.
- Analyze building usage data to improve programming, using feedback from the Honors community.