

Noah Ewell

noahewell.life@gmail.com | github.com/noahewell | noahsnook.me | linkedin.com/in/noahewell | (801) 641-2662

EDUCATION

Weber State University

May 2026

B.S. Computer Science

Current GPA: 3.7/4.0

Relevant Coursework: Data Structures & Algorithms, Web Programming, Computer Architecture, Software Engineering, Discrete Structures, SQL Programming, Object-Oriented Programming, Calculus II.

EXPERIENCE

Software Automation Engineer Research Intern

Jan. 2025 – Present

Georgia Tech Research Institute (GTRI)

Hill AFB, Utah

- Support the design and implementation of engineering solutions for enterprise systems, focusing on fully automated software deployments scheduled for Spring 2025.
- Develop in **Python** and other languages within both **Linux** and **Windows** environments, utilizing **Virtual Machines**, **Ansible**, **Terraform**, and package managers such as **Chocolatey** and **DNF/Yum**.
- Collaborate with government sponsors, technical experts, and development teams to gather requirements and ensure smooth system integration in an **Agile**, **SCRUM**-based environment.
- Contribute to hardware and software integration, prioritizing continuous optimization of enterprise operations.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript/EJS, HTML5/CSS3, PHP

Databases: MySQL, Postgres

Frameworks: .NET, Node.js, Express.js, Bootstrap, JQuery

Tools: Git, GitHub, Bash, Ansible, Terraform, Virtual Machines, Linux, Chocolatey (Choco), DNF/Yum

Methodologies: SCRUM, Agile, SaaS

PROJECTS

E-Commerce Shopping Site | *PHP, SQL, MySQL, HTML/CSS*

Dec. 2023

- Developed a robust back-end in **PHP** and **MySQL** for user authentication, product management, and cart functionality, leveraging **SQL** queries for efficient **CRUD** operations.
- Ensured data integrity with prepared statements to **prevent SQL injection** and built a simple front-end to facilitate secure user interactions.

Disney Shortcuts (Not Affiliated) | *Java*

Dec. 2023

- Developed a pathing application with **Swing** that employs **Dijkstra's algorithm** to visually display the shortest path between Disneyland rides.
- Created an **EdgeWeightedGraph** with mouse-event captures to dynamically generate a **.csv file** of edge data, leveraging a **Red-Black BST** for efficient retrieval.

Monopoly Simulation | *Java*

Dec. 2023

- Developed a virtual analytical tool for calculating property landing probabilities over millions of turns, using a **Stack** to manage chance and community chest cards.
- Implemented a **Red-Black BST** for efficient retrieval of property/player data; heavily tested with **unit tests** to ensure accuracy.

VOLUNTEERING

Programming Club Officer (President, 9 Months)

Aug. 2023 – Jan 2025

Salt Lake Community College

Taylorsville, UT

- Designed and facilitated weekly **Java** programming challenges modeled after **LeetCode**, building members' **algorithmic thinking** and **data structure** skills.
- Led **SLCC's largest technical club**, achieving Tier IV status with 25+ active members while establishing the club's constitution to define roles.
- Organized and hosted over 40 events (workshops, panels), collaborating with She-Tech and STEM-Fest to promote broader technical education.