Noah Ewell

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EDUCATION

Weber State University April 2026
B.S. Computer Science *GPA: 3.7/4.0*

Relevant Coursework: Data Structures & Algorithms, Web Programming, Computer Architecture, Software Engineering, Discrete Structures, SQL Programming (Advanced), Operating Systems, Formal Algorithms (Computer Theory), Object-Oriented Windows Application Development.

EXPERIENCE

Software Engineer Intern May 2025 - Present
Zions Bancorporation *Midvale, UT*

- Design **CI/CD Pipeline** proof-of-concepts using **Azure DevOps**, **YAML**, and **Hashicorp Integration** for vault management resulting in significant time savings and bug-reduction for the CIAM platform.
- Modify **Splunk** logging query conditionals with **SPL** to trigger alerts if authentications drop beneath a certain threshold allowing the team to automate the quick detection of production issues.
- Program and review code in **Java** to resolve bugs preventing system integration and releases.
- Maintain system documentation on **Confluence** and adhere to **SAFe-Agile** best practices resulting in the effective management of complex enterprise systems.

Software Automation Engineer Research Intern Jan. 2025 – May 2025
Georgia Tech Research Institute (GTRI) *Hill AFB, Utah*

- Optimized **Ansible** plays across **Linux virtual machines** by re-working logic and piping data more efficiently using **asynchronous threading** and resulting in over 60% time-savings for corresponding **data aggregation**.
- Resolved merge conflicts with **Git** version control best practices and **branching strategy** documentation.
- Spearheaded the creation of a new tool automatically comparing XML-structures using **Python**, and the **Pandas** library saving countless hours.
- Automated the checksum comparison of **Chocolatey** packages on **Nexus** using **Bash** and **Python** resulting in better **cybersecurity** and bug-detection.

TECHNICAL SKILLS

Languages: Java, Python, C#, SQL, Bash, JavaScript/EJS, HTML5/CSS3, PHP.
Frameworks: .NET, Node.js, Express.js, MySQL, MongoDB, Bootstrap, JQuery.
Tools: Git, GitHub, GitLab, Azure DevOps, Ansible, Virtual Machines.
Methodologies: Agile, SAFe-Agile, SCRUM, SaaS, Waterfall.

PROJECTS

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 API captures to dynamically generate a **.csv file** of edge data, leveraging a **Red-Black BST** for efficient retrieval.

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.

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 and organizing over 40 events.