

Oscar Aguayo

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SUMMARY

Computer Science graduate with internship experience building full-stack web applications and backend systems. Skilled in React, TypeScript, JavaScript, Node.js, and PostgreSQL, with experience collaborating directly with stakeholders in fast-paced environments. Motivated to design, build, and iterate on scalable business software solutions in hands-on, team-oriented settings.

TECHNICAL SKILLS

- Programming Languages: TypeScript, JavaScript, Java, C#, Python, C++, C
- Web and Frontend Technologies: React, HTML, CSS
- Backend and Databases: Node.js, Express, PostgreSQL, MongoDB, SQL
- Cloud & DevOps: AWS (EC2, CLI), Git (GitHub, GitLab), Railway, Maven/Gradle
- Development Tools: VS Code, Visual Studio, IntelliJ IDEA, Android Studio, Godot Game Engine

TECHNICAL EXPERIENCE

Software Engineer Intern

April 2025 – September 2025

CollectedAF, Draper, UT

- Assisted in backend development of internal business tools that tracked and analyzed user-generated data across systems.
- Helped integrate an AI-driven attribute generation system, expanding tracked attributes from ~700 to above 3,000.
- Collaborated directly with the lead engineer/CTO on backend architecture, focusing on data structures, scalability, and maintainable code patterns.
- Developed and enhanced web-based features using JavaScript and React, integrating backend data through MongoDB to support scalable application functionality.
- Contributed to system enhancements supporting dynamic user-generated content and scalable data workflows.
- Assisted in deploying and maintaining backend features in a production environment.

Software Engineer Intern

June 2025 – August 2025

SWEG, Hill Air Force Base, UT

- Collaborated in a team-based environment to design and implement interactive system logic within a simulation platform.
- Analyzed simulation outputs to evaluate system performance and behavior under varying conditions.
- Supported simulation testing to assess cost-effectiveness of various defense strategies.
- Gained hands-on experience with GitLab version control and team-based software development workflows.

EDUCATION

Weber State University — Bachelor of Science, Computer Science

Ogden, UT • Completed April 2026 • GPA: 3.5/4.0

EXPERIENCE

AP Clerk

July 2022 – Current

Weber State University Bookstore, Ogden, UT

- Processing over \$100,000 of invoices monthly while ensuring accuracy and swiftness.
- Keeping in constant communication with several vendors to investigate any discrepancies and manage relationships.
- Organizing hundreds of records including processed invoice records, new vendor accounts, vendor contact information, and invoices to pay on a weekly basis.

Auto Auction Inspector

April 2021 – June 2022

Manheim Auto Auction, North Salt Lake, UT

- Inspected incoming dealership vehicles, identifying and documenting up to 75+ cosmetic and structural damages.
- Increased average vehicle inspection rate from 2.5 to 4 cars per hour by streamlining processes and completing inspections in under 20 minutes.