

Samuel Jensen

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SUMMARY

Computer Science Junior with experience in full-stack development, data structures, database management, and cybersecurity. Proficient in React, TypeScript, Node.js, PostgreSQL, object-oriented programming, API development, and database design. Strong problem-solving abilities with a focus on scalability, performance, and software security. Seeking summer 2025 internships in software development or data management.

EDUCATION

B.S. Computer Science

Arizona State University, Tempe, AZ

Expected May 2026

3.5 Major GPA

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, C/C++

Front-End: HTML, CSS

Tools & Frameworks: Node.js, Express.js, Git, React, AWS, MongoDB

Operating Systems: Windows, MacOS, Linux/Unix

RELEVANT PROJECTS

Task Management App – Full-Stack Development Project,

Spring 2025

- Designed a full-stack task management application using React (TypeScript), Node.js (Express), and PostgreSQL to provide user authentication and CRUD functionality.
- Developed secure JWT based token authentication and bcrypt password hashing to protect task operations.
- Built a RESTful API with endpoints for registering users, logging in, and managing tasks (create, update, delete, retrieve) with authentication and authorization measures.
- Configured PostgreSQL database schema, including user authentication tables and relational task management structure.
- Engineered a responsive frontend UI with React Router, handling user session management and dynamic task updates.

Genotype Classification Algorithm – Algorithm Design & Optimization Project

Spring 2025

- Engineered a Python algorithm to classify genetic test samples as "Normal" or "Mutant", handling inconsistencies and ambiguous cases.
- Utilized hash maps (dictionaries) and sets for efficient lookup and classification, reducing redundant computations.
- Designed a modular and scalable architecture with separate functions for parsing input, processing test cases, and detecting inconsistencies.
- Implemented optimized iteration strategies to achieve a worst-case runtime of $O(n * m)$, ensuring efficiency for large datasets.
- Strengthened algorithmic problem-solving and debugging skills by resolving edge cases and refining logic to pass all test cases.

Pwn College: Security Dojo Participant, Self-Initiated Extracurricular

Fall 2024

- Completed "Intro to Cybersecurity" module, mastering 180 hands-on challenges covering key topics such as Command Injection (CMDi), SQL Injection (SQLi), Cross-Site Scripting (XSS), Cross-Site Request Forgery (CSRF), Cryptography, and reverse engineering. Developed expertise in identifying system vulnerabilities and implementing secure defenses across diverse scenarios.
- Strengthened practical debugging and problem-solving skills by leveraging tools like GDB and Valgrind to efficiently identify and resolve program errors.

Pokémon-Inspired Text-Based Game, CSE 240 Class Project

Fall 2024

- Created a terminal game where players can travel between rooms, collect Pokémon characters, manage an inventory of weapons, and engage in battles.
- Implemented object-oriented programming principles using C++, designing efficient systems for inventory tracking and character interactions.
- Enhanced problem-solving skills by designing dynamic gameplay mechanics, including turn-based battle systems, room-based navigation, and inventory management using linked lists and hash tables for efficient data handling.

WORK EXPERIENCE

Starbucks, Scottsdale, AZ: Shift Lead

March 2019 - Present

Managed daily store operations in collaboration with store and district management to drive operational excellence and consistently achieve 185% of Starbucks' weekly sales goals in a high-volume store. Led a team of 15–17 baristas to deliver exceptional service to 180–200 customers per hour. Balanced working 30 hours per week while pursuing academic goals, showcasing strong time management and multitasking skills.

- Exceeded company drive-thru window time expectations of 45 seconds by maintaining an average time of 35–40 seconds, implementing and standardizing barista roles and routines adopted from best practices at other stores.
- Recognized with the **Partner of the Quarter Award**, voted on by peers, for exceptional leadership, teamwork, and fostering a positive and inclusive work culture.
- Trained and developed 15 new baristas, ensuring quick skill growth and seamless integration into a high-performing team during peak operational periods.

EXTRACURRICULAR EXPERIENCE

Catfish Bay WaterSki Team, Sioux Falls, SD

June 2014 - August 2023

Co-directed a team of 45–55 members, overseeing daily practices, weekly 2-hour water ski shows, and annual regional competition performances. Organized and led impactful community outreach events and programs to give back to underprivileged children and the broader community.

- Planned and executed weekly 2-hour water ski shows and annual competitions, ensuring performances aligned with team goals and skills.
- Hosted and mentored 10–15 children annually from a local children's home, teaching water skiing and fostering a fun, supportive environment.
- Helped direct a week-long summer camp for 100+ children, guiding staff in leading activities such as water skiing, tubing, water ziplining, fishing, and lake safety, while promoting teamwork and outdoor fun.