Tyler Grant

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EDUCATION

University of Utah *August 2019 – December 2022*
Bachelors of Science in Computer Science (GPA: 3.8)
- Secretary for School of Computing Undergraduate Student Advisory Committee (SoC UgSAC) and Teaching Assistant

WORK EXPERIENCE

Sorenson Communications - Software Engineer *December 2022 - July 3, 2025*
- Designed and deployed a full-stack, real-time ASL interpretation platform using React, Node.js, AWS (Lambda, DynamoDB), and Netlify
- Enabled in-store QR-based access to interpreters for deaf and hard-of-hearing users, enhancing accessibility in retail environments
- Implemented dynamic geofencing and automated billing logic to support location-aware access and accurate usage tracking
- Built an SSO-enabled bypass flow to extend service access outside geofenced areas as an enterprise accessibility benefit
- Improved user experience with a responsive, mobile-friendly frontend and seamless authentication flow

University of Utah – Teaching Assistant *Spring 2021, Fall 2021, Spring 2022, Fall 2022*
- Led office hours, lab sessions, and review events to support over 100 students in Data Structures, Algorithms, and Software Engineering courses
- Graded assignments and provided detailed technical feedback to reinforce core computer science concepts
- Served as a retention TA, offering additional support to students at risk of dropping courses, contributing to improved course completion rates

Kantata (Formerly Mavenlink) – Software Engineer Intern *May 2022 – August 2022*
- Collaborated with 4 interns to build admin panel features in Ruby on Rails and React, including a secure user impersonation tool to enhance QA
- Integrated Salesforce and Slack into the product ecosystem, simplifying customer workflows
- Practiced test-driven development, pair programming, and CI/CD under mentorship from senior engineers

Zions Bank – Software Engineer Intern *October 2021 – May 2022*
- Modernized UI components using Salesforce, JavaScript, and CSS, improving design consistency and usability
- Automated redaction of PII from financial documents, saving manual processing time and increasing compliance

PERSONAL PROJECTS

Self Hosted Media & Automation Platform - Full-Stack Infrastructure Development *September 2022 – Present*
- Built a full-stack, self-hosted ecosystem with Plex, Sonarr, Radarr, Home Assistant, and more using Docker and reverse proxies for secure access
- Automated home and media workflows via REST APIs, webhooks, and OAuth2 authentication
- Deployed GitHub Actions runners to streamline CI/CD for personal and open-source projects
- Implemented logging, backups, and monitoring tools to maintain uptime and system resilience

Boxy – Senior Project *January 2022 – December 2022*
- Developed a mobile app for tracking and organizing bin-stored items using React Native, AWS Amplify, and Expo
- Authored user and technical documentation to support long-term maintainability and user onboarding

TECHNICAL SKILLS

Subjects: Object Oriented Programming, Data Structures, Algorithms, Databases, Web/Mobile Development, Agile Development, Test Driven Development, Pair Programming, Computer/Distributed Systems, Human-Computer Interaction, Foundations of Data Analysis, Computer Architecture, Linear Algebra, Statistics

Languages: C#, Java, C++, Python, TypeScript/JavaScript, React.js, Node.js, Ruby on Rails, Kotlin, ASP.Net, Jest, RSpec

Technologies: Ubuntu, macOS, Windows, bash/zsh/PowerShell, Git, Spring, AWS/Azure, Kubernetes, Docker Swagger, Postman, MySQL, Salesforce, Circle CI, NewRelic/Honeycomb, Expo, MongoDB