Tate Larkin

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Education

UNIVERSITY OF UTAH   Salt Lake City, UT
Computer Science. GPA: 3.8/4   Expected 2026
Relevant Coursework: Software Development I & II, Computer Organization, Algorithms, Parallel Programming, Computer Systems, Computer Networks, Database Systems

Relevant Experience

UNIVERSITY OF UTAH   Salt Lake City, UT
Teaching Assistant   August 2024 - Present
- Led weekly office hours for 200+ students in CS 3810 (Computer Organization), providing support with coursework, exam preparation, and technical concepts
- Collaborated with 2 professors across 2 semesters, earning the role through a strong performance evaluation and positive student feedback
- Graded 100's of assignments and exams with consistent accuracy and responded to student queries within 24 hours via email and online forums
- Collaborated with instructors and TAs through weekly meetings and messaging for streamlined course management

BITBLINK SOLUTIONS   Salt Lake City, UT
Founder / CEO   July 2023 - Present
- Developed a customer engagement and membership app, along with an admin portal for Dirty Dog's Car Wash, an Atlanta-based private equity-backed company
- Utilized Agile and Scrum methodologies, ensuring timely delivery and strong communication channels with the client, leading to highly tailored solutions
- Achieved seamless integration with multiple systems, including billing, back office, and Google Cloud Platform products
- Employed Typescript with Expo and React Native for developing a unified codebase compatible with both Apple and Android devices, maximizing reach and efficiency
- Implemented stringent security measures, including dual layers of AES 256 encryption, to ensure PCI DSS compliance and safeguard sensitive customer data

FRESH CONSULTING   Seattle, WA
Software Development Contractor   June 2022 - January 2023
- Developed a Chrome Extension with Fresh Consulting's CTO to manage and parse emails with SaaS subscriptions, reducing costs and boosting compliance
- Continued work with the CTO to publish a second major release with active use managing 3600+ user accounts on 90+ SaaS sites across the organization
- Utilized Firebase for data storage, OAuth 2.0 for authentication, and integrated with Google Workspace.
- Worked in a CI environment with Bitbucket Pipelines using linting via ESLint and testing via Jasmine

Projects

CS 3550 (Software Development II) Final Project
- Worked in an Agile development environment to develop an educational app with C++ and Qt teaching digital circuit design basics
- Effectively communicated with a scrum team of 6 to delegate and accomplish tasks according to a Kanban board
- Used C++ and Qt to create an intuitive event driven MVC architecture for efficient circuit simulation