Tate Larkin

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Developer with a passion for Full Stack Web and Mobile Development, Machine Learning, and Data Science. Driven to succeed, learn new skills and contribute to organizational success.

Education

UNIVERSITY OF UTAH   Salt Lake City, UT
Computer Science. GPA: 3.75/4   Expected 2026
Relevant Coursework: Software Development I & II, Computer Organization, Intro to Algorithms and Data Structures, Multivariable Calculus, Linear Algebra, Discrete Math

Relevant Experience

BITBLINK SOLUTIONS   Salt Lake City, UT
Founder / CEO   July 2023 - Present
Spearheaded the development of 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 methodologies and strong client communication, employed Expo and React Native for broad compatibility, and implemented advanced encryption for data security.

FRESH CONSULTING   Seattle, WA
Software Development Contractor   June 2022 - January 2023
Developed a Chrome Extension with Fresh Consulting's CTO to manage and parse 3600+ emails with SaaS subscriptions across 90+ sites, reducing costs and boosting compliance. Utilized Firebase for data storage, OAuth 2.0 for authentication, and integrated with Google Workspace. Managed development with Bitbucket Pipelines, ESLint, and Jasmine.

Technical Skills & Projects

Programming: Python, Java, C#, C++, Typescript, HTML, CSS.

CS 3550 Final Project
Worked in a Scrum team of 6 and then 2 to develop an educational app with C++ and Qt teaching digital circuit design basics. Used Agile, Scrum, and Kanban methods for the software.

AI Powered Flashcards Website
Built a vocabulary learning website for young children featuring image recognition, utilizing a ResNet neural network architecture with Nadam optimization in Tensorflow and Keras. Optimized the dataset by removing 10% bad labels using anomaly detection, increasing base accuracy by ~5%. Trained the model on 50 million images across 346 unique classes, achieving a 92% accuracy rate on test data with top 5 predictions considered.