

Dale Dai

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EDUCATION

University of Southern California

Bachelor of Science in Computer Science

Los Angeles, CA

Aug. 2026 – Expected May 2030

Southridge School

High School Diploma

Surrey, BC, Canada

Sep. 2022 – Jun. 2026

EXPERIENCE

Co-Founder

Jul. 2026 – Present

Trackside

Remote

- Built a cross-platform motorsport app now in closed beta, combining live race tracking, predictions, historical statistics, and social features
- Grew the beta waitlist to 500+ signups and generated 30K+ organic social impressions through community distribution and creator outreach
- Developed the mobile product and backend using React Native, Expo, FastAPI, PostgreSQL, authentication, and real-time race data
- Designed the product end-to-end in Figma and implemented the production interface across iOS and Android

Open-Source Contributor

2022 – 2026

The Algorithms, Nikola, Matplotlib

Remote

- Added a binary-search perfect-cube algorithm and doctest to The Algorithms, providing a faster alternative to the existing implementation
- Contributed accepted maintenance and documentation improvements to Nikola and Matplotlib, including modernizing Nikola's legacy browser support

Director of IT

Feb. 2024 – Jan. 2025

Millennium STEM BC

Vancouver, BC, Canada

- Led technical operations for an annual provincial STEM conference serving 100+ attendees
- Co-developed a platform connecting British Columbia high school students with local volunteer opportunities

SELECTED PROJECTS

Brawldle.io | HTML, CSS, JavaScript

Nov. 2024 – Mar. 2026

- Built and launched a daily gaming site (200K+ users, 500K+ plays across 150+ countries)
- Drove organic growth through gaming communities and coverage from creators with audiences of 950K+
- Managed development, design, deployment, analytics, and content
- Acquired by a gaming-site operator in 2026

Beacon | SwiftUI

Jul. 2026

- Extended an open-source macOS client into a multi-protocol proxy application using SwiftUI, Xray-core, and sing-box
- Designed and implemented native interfaces for server configuration, routing, subscriptions, latency testing, and connection monitoring

TECHNICAL SKILLS

Languages: TypeScript/JavaScript, Python, HTML/CSS, C/C++, Swift, SQL

Frameworks: React, React Native, Next.js, Expo, SwiftUI, FastAPI

Tools & Platforms: Git, Node.js, PostgreSQL, Docker, AWS, Linux, Figma