

Winston Lo

San Francisco, CA 94121 | (415) 401-5734 | winlo334@gmail.com

EDUCATION

University of California, Berkeley

Computer Science and Data Science

Expected Graduation: June 2026

Berkeley, CA

- **Relevant Coursework:** Data Structures and Algorithms, Structure and Interpretation of Computer Programs, Foundations of Data Science, Linear Algebra, Discrete Mathematics and Probability Theory, Calculus I, II, III

EXPERIENCE

Software Engineer

FlowNow | React, Vercel, Gemini API

January 2025 – Present

Remote

- Architected and scaled FlowNow's learning platform with React.js and Node.js to serve 15+ exercises, cutting API calls by 60% through a multi-layer caching system (client-side TTL, timestamp-based invalidation).
- Implemented advanced token-based auth and progressive data loading to reduce re-renders by 40%, slash page load by 30%, and sustain 99.9% uptime with predictive loading and robust recovery.
- Developing an ML-powered Q&A generator that processes user-uploaded PDFs, dynamically generating comprehension quizzes with contextual analysis, tracking user progress, and offering AI-driven feedback.

Software Engineer (Contract)

Bentley Systems | React, Vite.js, TypeScript, MongoDB

June 2024 – December 2024

Remote

- Developed an interactive educational website in React to teach Bentley's Microstation software to middle school students, simplifying technical topics for broader accessibility and projecting a reach of over 5,000 students.
- Engineered scalable backend services using Node.js and Express, leveraging MongoDB to enable swift content delivery, secure real-time data updates, and robust data management for thousands of concurrent users.
- Built dynamic and interactive frontend components using React and TypeScript, enhancing user engagement through intuitive Figma designs, seamless state management, and optimized performance with Vite.js.

Web Developer (Contract)

Golf Sim Network | Webflow, Figma, HTML, CSS, JavaScript

(December 2024 – January 2025)

Remote

- Designed and developed a fully responsive website for Golf Sim Network using Webflow, integrating custom HTML, CSS, and JavaScript to enhance interactivity and ensure seamless cross-device compatibility.
- Implemented custom JavaScript within Webflow to create dynamic elements, automate user interactions, and improve site functionality beyond Webflow's native capabilities.
- Created wireframes and high-fidelity mockups in Figma, collaborating with stakeholders to refine UI/UX, improve navigation flow, and align branding with the company's target audience.

Market Analysis Intern

Safebase.io

July 2023 – September 2023

San Francisco, CA

- Conducted a comprehensive market analysis with the CEO, identifying 10 critical growth opportunities and evaluating 20+ competitors to refine Safebase's market positioning and strategic direction.
- Synthesized key insights into a detailed executive report, providing data-driven recommendations on expansion and competitive differentiation, influencing high-level business decisions.

PROJECTS

Stock Auto Trader | PineScript, Python, Flask, NGROK

March 2024

- Developed an automated trading system analyzing 4+ years of data and 50,000+ data points across 2 cryptocurrencies that resulted in 5% weekly ROI, while leveraging PineScript-based custom indicators.

Spot the Op | Swift, Google Maps SDK, Firebase, Hyperbolic API, Gemini LLM

October 2024

- Developed an iOS app that gamifies spotting people leveraging Google Maps SDK, CoreLocation, and Gemini LLM for predictive heatmaps while integrating Firebase for security and Hyperbolic API for AI-generated visuals.

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, TypeScript, SQL, PineScript, Swift

Technologies: Flask, Node.js, React, Express.js, Django, Material UI, Git, Visual Studio, IntelliJ, BlueJ, Jupyter Notebook, MongoDB, NumPy, JUnit, Pandas, FireBase, Outlook, Excel, PowerPoint, Word