Harris Campbell

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Education

San Francisco State University — San Francisco, CA
B.S. Computer Science — *Expected May 2028*
Coursework: Data Structures (Java), Computer Architecture, Linear Algebra, Probability & Statistics, Multivariable Calculus

Foothill College — Los Altos Hills, CA
Associate in Science for Transfer, Computer Science — *2026*

Experience

VisBets — Jul 2023 – Present
Founder & Software Engineer — *Live on the App Store*

- Built and shipped a production iOS sports analytics app solo, from the start of development in July 2023 to App Store launch on August 1, 2026; 160+ downloads and paying subscribers on two tiers via Apple IAP and RevenueCat.
- Designed the full stack: React Native/Expo client, Node.js/Express API in TypeScript, PostgreSQL on Supabase with a Redis cache, scheduled Railway workers, and Sentry monitoring.
- Built 40+ scheduled pipelines (data ingest, live games, odds snapshots, injury news) that normalize data from 5 external APIs and feed ~700 model projections per day across the NBA, NFL, MLB, NHL, and more.
- Trained and backtested XGBoost projection models in Python; a nightly automated harness backtrains them and delivers a morning report on model accuracy and user analytics.
- Diagnosed production incidents across client, API, pipeline, and third-party boundaries (stale board data, rendering failures, image processing) and resolved 5 App Store review issues (ATT, subscription disclosures, age rating, pricing, metadata).

Open Source

hoops | *Creator & Maintainer* — Oct 2026 – Present

- Built and published a GitHub Action that turns a developer's contribution graph into an animated basketball SVG for their profile README: zero-dependency renderer with tests, CI, and a nightly self-generated demo.
- Run it as an open-source project: wrote the contributing guide and issue/PR templates, then reviewed and merged 4 pull requests from 3 outside contributors within two days of launch.

express-rate-limit | *Open-source contributor* — Oct 2026

- Merged 2 PRs into express-rate-limit (40M+ weekly npm downloads; used in production on VisBets), fixing inverted option docs and a resetKey example that silently failed for IPv6 clients; reproduced both against the published package.

Projects

Atlas | *Built with Claude Code · Tauri, React, TypeScript, Ollama* — Oct 2026 – Present

- Orchestrated AI coding agents (Claude Code) to ship a native macOS app (~13.7k lines) that runs folder-scoped local LLM agents; set the architecture, specs, and constraints, and verified results with tests and measured evals.
- Designed ground-truth evals showing scope beats model size: IDF-ranked code search raised an 8B local model from 0/7 to 7/7 on a codebase question, beating a 14B model given the whole repo (5/7).
- Set a "code establishes facts, not the model" rule for a multi-agent research pipeline: a deterministic verifier drops any quote not found verbatim in the fetched page; restructuring page fetching raised verified quotes from 0/20 to 15/20.

Worthwhile | *Expo/React Native, TypeScript, Supabase* — In TestFlight

- Building an iOS app that converts each Apple Pay purchase into hours of work at the user's wage, triggered by a guided iOS Shortcuts automation.

Technical Skills

Languages: TypeScript/JavaScript, Python, Java, SQL
Backend & data: Node.js/Express, PostgreSQL, Supabase, Redis, REST APIs, scheduled data pipelines, XGBoost
AI & agents: Claude Code (agent orchestration), Ollama local models, tool-using agents, retrieval ranking, eval design, n8n
Mobile & front end: React Native, Expo, React, Tailwind, SVG/CSS animation
Infrastructure: Git/GitHub, GitHub Actions, Railway, Sentry, RevenueCat, Docker, App Store/TestFlight

Additional Experience

Front Desk, Bay Club Courtside (Oct 2025 – Jul 2026) · Outside Services, La Rinconada Country Club (Jan – Sep 2025) · Barista, The Club at Los Gatos (Sep 2023 – Nov 2024)