# Ronan Wong

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## EDUCATION

**University of California, Berkeley**
B.A. Data Science & B.A. Cognitive Science **Cumulative GPA: 3.89/4.00**
**Relevant Coursework:** Foundations of Data Science (Data 8), Data Structures & Algorithms (CS 61B), Linear Algebra

## EXPERIENCE

**Cal Hockey** **Berkeley, CA**
*Product & Software Engineering Intern* *Aug. 2026 – Present*

- **Won coaching staff approval** for a 4-game pilot by synthesizing 12+ player, coach, and staff interviews on the team's biggest weekly time sink, film review, into a **PRD, prioritized roadmap, and Figma prototype** for a faster review workflow
- Piloted a live sideline tagging sheet over 4 games, cutting daily film review from **2–3 hours to 20 minutes** and **scoring errors 67%** (12 → 4); game logs double as **labeled training data** for a planned AI-powered scoring and analytics tool
- **Adopted by the full coaching staff** as the standard game-day workflow, used at every game since the 4-game pilot
- Prioritizing the **one-click clip retrieval** build with **2 engineers and 1 designer**; goal: 5 min → 10 sec lookups per clip

**Sendo** **Berkeley, CA**
*Founder & Product Lead – AI form coach for climbers* *Feb. 2026 – Present*

- **Scoped the MVP** to one form-scoring feature after 15+ interviews and a 100-climber survey (**80% lacked form feedback**)
- Shipped a real-time climb-scoring web app by **leading 1 engineer and 1 designer**; built the **MediaPipe pose model**
- Launched to **40+ beta users**: 400+ climbs logged (10 per user), **70% 30-day retention**, 19/20 positive in-app ratings
- **A/B tested** per-move body cues after 20+ surveyed users found metrics unhelpful; weekly climbs logged went **30 → 70**

**Handshake AI** **Remote**
*AI Fellow – frontier model evaluation* *Jul. 2026 – Oct. 2026*

- Ranked 152 recurring **LLM failure patterns** by frequency × severity and rewrote **evaluation rubrics**, raising reviewer agreement from **30% to 75%** and contributing to a team-reported 30% drop in repeat model errors over the fellowship

**Outamation** **Remote**
*Data Science Intern – mortgage process automation* *Nov. 2025 – Mar. 2026*

- Saved a 15-person mortgage operations team **10 hrs/week** (per-document handling 20 → 5 min) by turning stakeholder interviews into specs and building **Python pipelines** (PyMuPDF, pdfplumber) that automate PDF field extraction
- Won **stakeholder sign-off** on a **RAG search design** by benchmarking retrieval options on a 200-query test set and presenting the tradeoffs; the chosen design improved human-rated **retrieval relevance 54%** over the baseline

**Lifetastic Learning** **Walnut, CA**
*Instructor – students with disabilities* *Aug. 2026*

- Taught **sports, STEM academics, and social skills** to students with disabilities, extending my S.L.I.C.E. advocacy work

## PROJECTS & LEADERSHIP

**Interactive 3D Object Gallery** | *RoseHacks 2026, 2nd of 40 teams* *Jan. 2026*

- **Cut scope** to one interaction (3D model rotation) so a **team of 4 shipped in 24 hrs**; built its ESP32 Bluetooth remote

**Vehicle Cybersecurity Research** | *Polygence Research Intern* *Jun. 2024 – Feb. 2025*

- Ranked **8 vehicle defenses** on cost, feasibility, and coverage across **40+ studies**; Selected Speaker, Bay Honors Consortium

**S.L.I.C.E. Athletics** | *Co-Founder & Vice President, Walnut, CA* *Nov. 2022 – Aug. 2025*

- Grew the nonprofit to serve **150+ students with disabilities** via partnerships with 5 schools and disability centers
- Owned all budgeting and spend tracking for **$2,000+**, sustaining 3 years of weekly programs and seasonal events

## SKILLS & INTERESTS

**Product:** User interviews, PRDs, user stories, roadmapping, MVP scoping, prioritization, KPIs, A/B testing, Agile/Scrum
**Tools:** Figma, Jira, Linear, Notion, Miro, Excel/Sheets, Tableau, Jupyter, Git/GitHub, Docker, Supabase, AWS, GCP, Azure
**Data & AI:** Pandas, NumPy, scikit-learn, SQL, LLM evaluation, error analysis, RAG, embeddings, FAISS, LlamaIndex
**Engineering:** Python, TypeScript, React, FastAPI, REST APIs, C++, Java, MediaPipe, Claude Code, Cursor, Codex
**Interests:** Bouldering, tennis, pickleball, running, Korean BBQ & malatang, disability advocacy, inclusive education