

# Cyrus Wise

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## EDUCATION

### University of California, Berkeley

Berkeley, CA

*B.S. Electrical Engineering & Computer Sciences, Minor in Data Science*

Aug 2023 – May 2027

**Associates (Highest Honors):** EECS, Computer Programming & Information, Math, Data Science, Physics, Biology

**Activities:** Cal Creators, Computer Science Undergrad Association, Open Project, Software Product @ Cal

**Relevant Coursework:** Efficient Algorithms (CS 170), Database Systems (CS 186), Discrete Math & Probability (CS 70), Computational Models of Cognition (COGSCI 131); **Fall 2026:** Operating Systems (CS 162), Computer Security (CS 161)

## EXPERIENCE

### Software Engineer & Co-Founder

October 2023 – Present

*Anre Consulting*

San Francisco, CA

- Built a SvelteKit AI research assistant serving 100+ beta users; selected for the Microsoft Imagine Cup
- Architected a 2.4M-paper ETL pipeline using spaCy NLP to extract semantic features, improving retrieval relevance and enabling research recommendation ranking
- Built an AI workflow engine converting unstructured research projects into reusable procedural graphs, enabling new participants to rapidly onboard into active research projects
- Led a 30+ person development team shipping full-stack and ML features across Anre's multiple client consulting projects

### NASA NCAS (Missions I, II, III) – Lead Software Engineer

January 2025 – July 2025

*National Aeronautics and Space Administration (NASA)*

Hampton, VA

- Prototyped an AI flight path system for autonomous AAM cargo drones at NASA Langley, continuously validating trajectory decisions against live wind tunnel data from NASA subject matter experts
- Collaborated with cross-functional engineers to validate prototype performance against battery capacity, material constraints, and weather conditions while ensuring FCC regulatory compliance; presented findings to NASA engineers and researchers

### Deep Learning Researcher

October 2023 – January 2024

*Stanford Center for Clinical Research*

Palo Alto, CA

- Built an LLM simulation system generating realistic clinician-patient personas for Stanford Medicine, enforcing behavioral alignment via a custom Java Domain-Specific Language with clinically-grounded behavioral constraints
- Implemented a Mixture-of-Experts architecture to support near-infinite context length across extended AI-trainee sessions
- Applied few-shot learning with YC-backed researchers to synthesize diverse patient personas and dialogue training data

### Machine Learning Researcher

May 2025 – Aug 2025

*San Francisco State University*

San Francisco, CA

- Trained a physics-constrained GNN in PyTorch to predict structural forces with 99.2% accuracy across 2,000 simulated structures, enforcing physical validity at the node level
- Engineered a SAP2000 API pipeline for automated load generation and a PyTorch node diagnostics dashboard
- Presented findings to 50+ researchers at the SFSU Symposium alongside civil engineering PhDs

### Head GSI & Reader

June 2025 – December 2025

*University of California, Berkeley*

Berkeley, CA

- Designed all exams, homeworks, and rubrics for 100+ ENERES C100 students; held weekly discussions and 3x office hours
- Achieved a 100% active-student pass rate through dedicated support and targeted office hours intervention

## PROJECTS

### Transfer Pathway AI Platform | *React.js, Python, FastAPI, LangChain, PostgreSQL*

May 2026 – Present

- Built an LLM-powered system generating context-aware revisions for admission essays with structured feedback loops
- Integrated assist.org APIs to dynamically construct optimized course plans from fragmented class and requirement data

### Gymer (Mobile App) | *Swift, SwiftUI, Firebase, Node.js*

May 2026 – Present

- Developed an iOS matchmaking app connecting users to local workout partners via swipe-based interaction design
- Implemented real-time pairing and authentication system using Firebase + Node.js backend event synchronization

### Clothing Brand E-commerce Platform | *Next.js, Supabase, Stripe, Printful API, Framer Motion*

May 2026

- Engineered a Next.js storefront with a custom Supabase database for secure auth and real-time order tracking
- Automated end-to-end order fulfillment via Stripe, Printful, and Resend webhooks with live tax and inventory sync

### CRAM – HARP Research | *OpenCV, React.js, Flask, PostgreSQL, Firebase*

Aug 2024 – Dec 2024

- Architected a CV-based reading acceleration system using RSVP + eye-tracking to improve high-density text processing

## TECHNICAL SKILLS

**Backend:** Python, Java, C++, Go, Node.js, SQL, PostgreSQL, MongoDB, Redis, GraphQL, Django, FastAPI, Microservices

**Frontend:** React, Next.js, TypeScript, JavaScript, TailwindCSS, Vue.js, Redux, Cypress, Jest, Webpack, Vite, HTML, CSS

**AI & ML:** PyTorch, LLMs, RAG, Fine-tuning, Hugging Face, LangChain, Vector Databases, sklearn, NumPy, pandas, OpenCV

**Cloud & DevTools:** AWS, GCP, Azure, Docker, Kubernetes, CI/CD, GitHub Actions, CUDA, Apache Spark, Kafka, Linux, Git