

Cyrus Wise

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EDUCATION

University of California, Berkeley

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

Berkeley, CA

Aug 2023 – May 2027

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

Activities: Cal Creators, Computer Science Undergrad Association, Open Project, Software Product @ Cal, Berkeley Applied Math

EXPERIENCE

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

January 2025 – July 2025

National Aeronautics and Space Administration (NASA)

Hampton, VA

- Prototyped an AI Flight path for an Autonomous AAM Cargo Drone on-site at the NASA Langley Research Center
- Consulted NASA Subject Matter Experts to integrate live wind tunnel and aeronautical test data into the AI flight path prototype
- Collaborated in a cross-functional engineering team to design a rocket launch system for a simulated NASA mission

Software Engineer & Co-Founder

October 2023 – Present

Anre Consulting

Berkeley, CA

- Built a SvelteKit frontend and Tauri deployment of an AI powered research assistant platform, enabling seamless data visualization and organization of project information for a Beta of 100+ users, alongside being selected for the Microsoft Imagine Cup
- Architected and implemented a scalable ETL (Extract, transform, load) pipeline, processing 2.4 million ArXiv papers to facilitate advanced Natural Language Processing, improving research efficiency by 30% for beta users of the platform
- Directed a 30+ person development team, driving deployment of core full-stack and machine learning features

Machine Learning Researcher

May 2025 – Aug 2025

San Francisco State University

San Francisco, CA

- Trained a StructGNN model in PyTorch using a pseudo-node structure to predict static and dynamic building forces, achieving 99.2% accuracy over 2,000 generated structures
- Developed utilities including a SAP2000 API pipeline for automated structure/load generation, PyTorch object visualization tools, and a node feature diagnostics dashboard
- Presented findings at SFSU Research Symposium to 50+ researchers, collaborating with civil engineering PhDs and graduate students to translate ML insights into actionable designs

Undergraduate Deep Learning Researcher

October 2023 – January 2024

Stanford Center for Clinical Research

Palo Alto, CA

- Worked with a team of PhD students to research and develop a Large Language Model technology which can accurately create personas and conversations which emulate real human behavior, to be used for clinician training at Stanford Medicine
- Implemented a Mixture-of-Experts architecture, generating near-infinite context length in conversations between trainees and AI
- Experimented making a domain-specific language in Java to better align LLM outputs using psychopathy-informed logic gates

Head GSI (Graduate Student Instructor), Reader & Tutor

August 2023 – December 2025

University of California, Berkeley

Berkeley, CA

- Led class discussions, answered student questions, and managed course logistics for 100+ ENERES C100 students on Ed Discussion
- Designed and graded homework, midterms, and final exams; adjusted grades and curves alongside holding 3x weekly office hours
- Instructed lab sections and tutored 400+ hours across 13+ courses in Computer Science, Data Structures, Math, and Physics at Berkeley City College since Fall 2023

PROJECTS

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

April 2026 - Present

- Developed a fitness-focused iOS mobile application designed to connect users with compatible workout partners in their local area
- Engineered an intuitive swipe-based matching interface utilizing Swift and SwiftUI, integrated with a Firebase and Node.js backend

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

March 2026 - Present

- Engineered a full-stack application integrating LLMs to provide automated, context-aware revisions for university admission essays
- Integrated the assist.org API and college database backends to dynamically generate optimized transfer schedules

CRAM - OpenProject | *OpenCV, React.js, Flask, PostgreSQL, Firebase, Python*

August 2024 - December 2024

- Implemented a CV model for HARP Research, adding advanced technologies such as Rapid Serial Visual Presentation, eye-tracking, & intelligent formula parsing to significantly increase reading speed and comprehension, facilitating efficient note-taking

Script Generator & Engagement Platform | *Python, C++, TensorFlow C++ API, Docker*

April 2024 - June 2024

- Developed a platform using TensorFlow's C++ API and neural networks for script generation and video analysis
- Integrated Facebook Ads APIs to automate performance insights for enterprise business accounts, optimizing engagement strategies

TECHNICAL SKILLS

Backend: Python, Java, Go, C++, C#, Node.js, FastAPI, Assembly, Rust, Pandas, PostgreSQL, Swift, Kotlin, Redis, Flask, MongoDB

Frontend: React.js, SvelteKit, Next.js, TypeScript, TailwindCSS, Swift, React Query, D3, ShadCN, JavaScript, Ajax, Bootstrap

Machine Learning: PyTorch, TensorFlow, pandas, SciKit-Learn, NLTK, OpenCV, NumPy, Langchain, MLflow, NLP/SpaCy

Developer Tools: Kubernetes, Docker, AWS, CUDA, Apache Spark, Kafka, Azure, Git, Hugging face Transformers, Grafana, Linux