

SETH RAPHAEL

☎ 925-360-3457 ✉ seth_raphael@berkeley.edu 🔗 [linkedin.com/in/sethraphael](https://www.linkedin.com/in/sethraphael) 🐙 github.com/Latkeerszy

Education

University of California, Berkeley

08/25 – 05/28

Bachelor of Science in Electrical Engineering and Computer Science; GPA: 3.6

Berkeley, CA

Experience

LinkJoin, Inc.

January 2021 – Present

Founder and Chief Executive Officer

Remote

- Grew meeting organization and auto-open platform to 2000+ users and 4000+ monthly visitors across 75+ countries.
- Shipped AI calendar import and meeting detection with emails for one-click add, reducing friction adding meetings.
- Registered US trademark for LINKJOIN issued 1/16/2024, Non-provisional US Patent pending, filed 12/28/2022.
- Spoke on 9 EdTech podcasts and featured in 10+ articles including EdSurge, J Weekly, and EdTech Digest.
- Youngest presenter in history of EDUCAUSE Annual Conference Start-Up Alley, Philadelphia Convention Center, PA.

Wander

May 2026 – Present

Product Engineering Intern

Remote

- Build secure execution environments for AI agents using enforceable contracts, decreasing agent task drift.
- Design hermetic environments isolating agent traffic with egress blocking, enabling safe testing before deployment.
- Ship automatic creation and teardown of isolated PostgreSQL databases on Kubernetes for canary deployments.
- Implement canary routing to redirect HTTP traffic between servers by header, isolating failures before they spread.
- Automate testing and Kubernetes deployment using GitHub Actions, streamlining development across repositories.

University of California, San Francisco Brainard Laboratory

January 2024 – July 2024

Machine Learning and Data Science Research Assistant

San Francisco, CA

- Categorized and labeled songbird vocalizations using DeepSqueak in MATLAB, improving algorithm efficiency.
- Compiled and processed data to show familial patterns, identifying how birds develop language from tutors vs parents.

Congregation B'nai Tikvah

June 2021 – June 2025

Technology Manager and Head Tutor

Walnut Creek, CA

- Managed hybrid AV infrastructure to livestream weekly services, adult education classes, and events to 300+ families.
- Led a team of 6 tutors teaching 100+ children in grades 2-6 Hebrew reading, preparing students for B'nai Mitzvot.

Projects

LinkJoin | *Python, JavaScript, HTML/CSS, MongoDB, Microsoft Azure, Docker, Anthropic API* January 2021 – Present

- Developed a full-stack web application with Starlette serving a REST API and Websocket to a JavaScript frontend.
- Designed non-relational MongoDB schema to organize hundreds of thousands of documents into queryable categories.
- Implemented Argon2 password hashing and one-time token-based authentication, protecting user data and privacy.
- Created a real-time pub/sub system over WebSockets, broadcasting meeting updates to subscribed users across devices.
- Placed as world finalist in the EdTech Digest Cool Tool Awards for E-learning, Blended, Flipped or Remote Solution.
- Placed first in Congressional App Challenge, district CA-11, and presented at #HouseOfCode Science Fair to congress.

ExplorePython | *Python, JavaScript, HTML/CSS, Starlette, Heroku*

June 2022 – August 2022

- Created a full-stack web app to teach hands-on Python programming to beginners, serving 3000+ monthly visitors.
- Placed as world finalist in EdTech Digest Cool Tool Awards for Coding, Computer science, or Engineering Solution.

MNIST Polysemanticity Experiment | *Python, NumPy, Matplotlib, Scikit-learn*

April 2026

- Tested the relationship between hidden layer dimensionality and neuron polysemanticity in a 2-layer MNIST classifier, finding results consistent with superposition theory as described in Anthropic's "Towards Monosemanticity."

Recipe Transformer | *Python, PyTorch, NumPy*

May 2026 – Present

- Implemented a character-level transformer from scratch in PyTorch, generating recipes from millions of examples.
- Built a custom tokenizer and sliding window dataset pipeline, enabling efficient batched next-token prediction.
- Implemented multi-head self-attention using learned Q, K, and V projections to maintain coherent responses.

Concord Table Tennis Club | *JavaScript, HTML/CSS, GitHub Pages*

June 2026

- Built and deployed the public website for a 501(c)(3) nonprofit club, publishing schedules, fees, and results.
- Implemented a leaderboard computing player ratings, trends, and head-to-head records from 240+ round robin sessions.
- Created a filterable results archive, letting players browse past sessions by night or by individual player over 2+ years.

Skills

Languages/Frameworks: Python, JavaScript, TypeScript, Java, C++, HTML/CSS, PyTorch, NumPy, React, FastAPI

Tools: MongoDB, SQL, Git, GitHub Actions, Kubernetes, Docker, Microsoft Azure, AWS, Vercel, Claude Code, Codex