

Rabah Babaci

Oakland, CA • (510) 646-7743 • rabahbabaci@berkeley.edu • rabahbabaci.dev • github.com/rabahbabaci

EDUCATION

University of California, Berkeley

B.A. in Data Science, Minor in Computer Science

Certificate in Entrepreneurship & Technology, UC Berkeley SCET

Berkeley, CA

Expected Dec 2027

Sep 2026

EXPERIENCE

TokenWorks LLC - Research Intern, ML/NLP

UC Berkeley Data Science Discovery Program

Remote

Aug 2026 - Present

- Contribute to Sumerian NLP and entity-linking research through Wikidata and ORACC data pipelines, dictionary and most-frequent-lemma baselines, and reproducible evaluation.

IBM - Site Reliability Engineering Intern

Infrastructure Automation, NS1 and SevOne/MCSP

San Jose, CA (Hybrid)

May 2026 - Aug 2026

- Built a Terraform GitOps workflow with Atlantis on AWS EC2, Docker, and Ansible, adopted for daily team use; delivered automated infrastructure plans to pull requests in a median of 62 seconds.
- Eliminated credential-entry toil by automating Terraform workflows with GitHub Actions, removing 180+ manual entries while preserving approval gates; integrated Slack notifications and Terraform formatting checks in CI.
- Reduced alert fatigue by analyzing Prometheus time-series data and tuning misfiring alerts; investigated a live OpenShift alert-rule incident using Loki and Grafana to improve observability.

Smooove - Founder & Full-Stack Developer

Online Moving Platform

Oakland, CA

Dec 2022 - Apr 2025

- Founded and operated a production full-stack moving platform with Next.js, Node.js, Firebase, and Stripe; onboarded 150+ early users, processed live payments, and iterated on features through customer feedback.
- Designed REST APIs for booking, pricing, and payment integration with webhooks and refunds; integrated Mapbox and Twilio, and owned deployment, uptime, customer support, and incident response.

PROJECTS

AirBridge - Airport Departure Timing Engine

Product Manager & Builder, UC Berkeley

Spring 2026

- Built a React and Python/FastAPI application to calculate airport departure times; integrated external APIs with schema validation and modular data ingestion, calculation, and presentation layers.

Transit Access Equity in Alameda County

Data Analyst, UC Berkeley CYPLAN 101

Fall 2025

- Built geospatial data pipelines with Python, GeoPandas, OSMnx, and r5py; integrated Census and GTFS data to compare peak-hour and late-night job accessibility for Equity Priority Communities with MTC mentorship.

SKILLS & ACTIVITIES

Languages & Data: Python, SQL, JavaScript/TypeScript, Bash; pandas, GeoPandas.

Development: React/Next.js, Node.js, FastAPI, REST APIs, Firebase.

Infrastructure: AWS, Terraform, Ansible, Docker, Kubernetes/OpenShift, Linux, GitOps, GitHub Actions, CI/CD.

Monitoring: Prometheus, Grafana, Loki.

Volunteering: IBM Tech Trek, AI workshop support (Jul 2026); DeveloperWeek, IT support (Feb 2024).

Spoken Languages: Kabyle (native); English, French, and Arabic (fluent).