

Ramatoulaye (Rama) Bah

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Education

Macalester College

B.A. in Computer Science and Linguistics, Minor in Spanish, GPA: 3.92

St. Paul, MN

Sept. 2023 – May 2027

- Study Abroad: The University of Edinburgh (Jan. – May 2026)
- Honors & Leadership: UWC Davis Scholar · Dean's List · MacStartups Fellow · ColorStack & Rewriting the Code Member · CodePath (iOS Development, Web Development) · Macalester Varsity Women's Soccer Team
- Relevant Coursework: Foundations of Natural Language Processing · Data Structures · Algorithms · Object-Oriented Programming · Software Design & Development · Computer Systems (Fall 2026) · Computer Security & Privacy (Fall 2026)

Technical Skills

Languages: Python, Java, TypeScript, JavaScript, SQL, HTML/CSS

Frameworks: React, Next.js, FastAPI, Node.js, Vue 2, Tailwind CSS, Bootstrap, Material-UI

Databases: PostgreSQL, Firebase Firestore, Supabase, Convex

Cloud & Tools: Git, GitHub Actions, Vercel, Railway, Docker, Cloudflare, Google Cloud Platform, Clerk, PostHog, Figma, Vite

APIs & Libraries: RESTful APIs, Anthropic API, OpenAI API, Stripe, Pinecone, HuggingFace, Pydantic, Google Cloud API

Experience

Founder

[demystify.org](#)

May 2026 – Present

Twin Cities, MN

- Founded a tax-literacy platform using Next.js and React that provides in-language educational resources for Somali-speaking immigrants, validated through user-testing sessions.
- Architected a single-call Claude vision pipeline that classifies and extracts 181+ fields across 23 IRS form types from PDF, JPG, PNG, and HEIC uploads with no file persistence for user privacy.
- Built a bilingual (Somali/English) chatbot with Claude that answers tax-term and document questions while declining out-of-scope prompts, cutting API cost and latency via prompt caching and a sliding 20-message window.

Software Engineer Intern

Gobo Show, Inc.

May 2025 – Dec. 2025

Minneapolis, MN

- Reduced Events page load times by 30% for an event-ticketing platform serving independent artists and venues by migrating the application from Vue 2 to Next.js with server-side rendering, TypeScript, and Tailwind CSS.
- Increased artist onboarding completion by ~25% by streamlining account creation with anonymous authentication, invitation-based signup, account conversion, and Firestore profile pre-fill using React and Firebase.

Software Engineering Fellow

Headstarter AI

July 2024 – Sept. 2024

Remote

- Shipped 5+ full-stack AI applications in 5 weeks using React, Next.js, and Firebase with OpenAI, Pinecone, and Stripe integrations under CI/CD practices.
- Led 4 engineering fellows through MVC-pattern architecture decisions from design to deployment, improving team development efficiency by ~15%.

Projects

Lock The Code | [lockthecode.net](#) | *FastAPI, Python, PostgreSQL, Next.js, TypeScript, Clerk, Stripe*

Jun. 2026

- Engineered a full-stack interview-prep SaaS using FastAPI and PostgreSQL that personalizes problem review using the SM-2 spaced-repetition algorithm, onboarding 70+ early users within weeks.
- Integrated Clerk authentication, Stripe billing with idempotent webhooks, and a streaming Claude-powered AI tutor and mock interviewer; deployed on Vercel/Railway with 97% email deliverability for effective scheduled email notifications.
- Implemented integration test suite and CI pipeline for REST API using pytest and GitHub Actions, catching 2 bugs before production with automated verification on every commit, and containerized local development with Docker Compose for single-command backend setup.

LingoHub | <https://lingo-hub.vercel.app/> | *React, Next.js, JavaScript, Supabase, PostgreSQL, Jest*

Aug. 2025

- Built a full-stack social platform for language learners (35 users) with authentication, real-time posts, comments, upvotes, and saved collections, migrating from Firebase to Supabase for SQL-backed data management.
- Established a testing foundation with Jest and React Testing Library covering post rendering, navigation, and auth state.