

Ramatoulaye (Rama) Bah

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EDUCATION

Macalester College

St. Paul, MN

Bachelor of Arts in Computer Science and Linguistics, Minor in Spanish, GPA: 3.92

Sept. 2023 – May 2027

- *Study Abroad, The University of Edinburgh* (Jan. – May 2026)
- *Relevant Coursework: Foundations of Natural Language Processing, Object-Oriented Programming, Data Structures, Algorithms, Software Design and Development, Computer Systems (Fall 2026), Computer Security and Privacy (Fall 2026), CodePath's Intro to IOS Dev and Intermediate Web Dev*

TECHNICAL SKILLS

Languages: Python, Java, HTML/CSS, JavaScript, TypeScript, SQL, Swift, C#, Vue 2

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

Developer Tools: Git, Railway, Firebase, Supabase, Clerk, Vercel, Google Cloud Platform, Convex, Figma, Vite

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

EXPERIENCE

Founder – demystify.org

May 2026 – Present

MacStartups Fellow

Twin Cities, MN

- Founded and built a full-stack tax-literacy platform in Next.js, React, and JavaScript for Somali-speaking immigrants in the Twin Cities, securing funding through the competitive MacStartups fellowship program.
- Architected a single-call vision extraction pipeline using Claude Opus to classify and extract fields from multi-document uploads (PDF, JPG, PNG, HEIC) across 23 IRS form types and 181+ fields, including in-memory HEIC conversion with no file persistence.
- Built a scope-constrained chatbot in Next.js using Claude Sonnet with a sliding 20-message window and prompt-caching architecture, answering tax-term and document questions in Somali or English while declining out-of-scope prompts.

Front-End Developer Intern

May 2025 – Dec. 2025

Gobo Show, Inc.

Minneapolis, MN

- Improved page performance as measured by a 30% reduction in load times, by migrating the Events page from Vue 2 to Next.js with server-side rendering using TypeScript and Tailwind CSS for UI.
- Streamlined artist onboarding with approximately a 25% improvement by building anonymous authentication, account conversion, and invitation-based signup flows in React and Firebase, including profile pre-fill from Firestore.

Software Engineering Fellow

July 2024 – Sept. 2024

Headstarter AI

Remote

- Delivered a portfolio of AI-integrated applications as measured by 5+ projects shipped in 5 weeks, by building full-stack apps in React/Next.js/Firebase with OpenAI, Pinecone, and Stripe API integrations under CI/CD practices.
- Reduced team development time as measured by a 15% efficiency gain, by leading 4 engineering fellows through MVC-pattern architecture decisions from design to deployment.

PROJECTS

Lock The Code | *Next.js, FastAPI, Python, PostgreSQL, Stripe, Clerk, TypeScript, Tailwind CSS*

Jun. 2026

- Shipped a production interview-prep SaaS with 50+ users within weeks of launch, architecting a Next.js/React frontend and FastAPI/PostgreSQL backend around the SM-2 spaced repetition algorithm for personalized review scheduling. Link: <https://lockthecode.net>
- Integrated Clerk authentication, Stripe subscription billing, and a streaming Claude Opus 4.8 AI tutor and mock interviewer, building idempotent webhook handling and secure REST APIs.
- Deployed and operated the full stack on Vercel and Railway, including automated email notifications via Resend, achieving by 97% deliverability.

LingoHub | *React, Next.js, JavaScript, Supabase, PostgreSQL, Jest*

Aug. 2025

- Built a full-stack social platform for language learners (35 users) with authentication, real-time post creation, comments, upvotes, and saved-post collections, migrating from Firebase to Supabase for SQL-backed data management. Link: <https://lingo-hub.vercel.app/>
- Wrote unit and component tests with Jest and React Testing Library covering core UI components (post rendering, navigation, auth state), establishing a testing foundation for the platform.