

Ramatoulaye (Rama) Bah

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EDUCATION

Macalester College

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

St. Paul, MN

Sept. 2023 – May 2027

The University of Edinburgh

Study Abroad | Relevant Coursework: Foundations of Natural Language Processing

Edinburgh, UK

Jan. 2026 – May 2026

TECHNICAL SKILLS

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

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

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

APIs & Libraries: OpenAI API, Stripe, Pinecone, RESTful APIs

EXPERIENCE

Front-End Developer Intern

Gobo Show, Inc.

May 2025 – Dec. 2025

Minneapolis, MN

- Migrated Gobo's Event page from Vue 2 to Next.js with server-side rendering using TypeScript and Tailwind CSS, reducing load times by 30%.
- Built onboarding features in React and Firebase with anonymous authentication and account conversion, improving artist signup completion rates by 25%.
- Collaborated with product and marketing teams in two-week Jira sprints to design and ship core venue management features for Gobo Pro's launch.

Software Engineering Fellow

Headstarter AI

July 2024 – Sept. 2024

Remote

- Built and deployed 5+ AI projects in 5 weeks using React, Next.js, Firebase, and Vercel, integrating OpenAI, Pinecone, and Stripe APIs with CI/CD practices for iterative deployment.
- Led 4+ engineering fellows from design to deployment using MVC design patterns, reducing development time by 15%.

PROJECTS

LingoHub | React, JavaScript, Firebase, Supabase, PostgreSQL

Aug. 2025

- Built a full-stack social platform for language learners with real-time post creation, comments, upvotes, and advanced filtering.
- Migrated backend from Firebase (NoSQL) to Supabase/PostgreSQL, redesigning schema to support relational features like user connections and messaging, improving community engagement and content discoverability by 40%.

Social Network Visualizer | Java, PageRank Algorithm, Data Structures, Graph Theory

Dec. 2024

- Built a weighted graph model in Java using HashMap-based adjacency lists, parsing CSV user data to compute relationship strengths based on shared attributes like age or nationality.
- Implemented PageRank to quantify user influence within the network, producing ranked leaderboards of the top 5 most connected users with an interactive visualization layer using Kilt Graphics.

Binge Eating Disorder Indicator Quiz | React, Next.js, JavaScript, Stripe, Firebase

Sept. 2024

- Contributed to R.care (YC W21)'s backlog developing a certified self-assessment web app using React and JavaScript, improving predicted user accessibility by 25%.
- Implemented Firebase integration for quiz results and personalized plans, and integrated Stripe-based paywall with post-purchase app download, reducing page load time by 20%.