Ramatoulaye Bah

+1 (763) 485-6111 | ramatoulaye.bah2805@gmail.com | LinkedIn | GitHub | https://ramatoulayebah.com/

EDUCATION

Macalester College   St. Paul, MN
Bachelor of Arts in Computer Science and Linguistics, Minor in Spanish, GPA: 3.85   *Sept. 2023 – May 2027*

United World College Maastricht   Maastricht, Netherlands
International Baccalaureate   *Sept. 2021 – May 2023*

TECHNICAL SKILLS

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, R, TypeScript, Swift, C#
Frameworks: React, Node.js, Bootstrap, Next.js, Material-UI, Unity
Developer Tools: Git, Google Cloud Platform, VS Code, PyCharm, Git, XCode, Firebase, Vercel, VS Code, npm

EXPERIENCE

Core Concepts in Computer Science Teaching Assistant   Sept. 2024 – Present
Macalester College   *St. Paul, MN*
- Mentor 30+ students in mastering fundamental computer science concepts and Python programming, leading to an increase in successful project completions
- Conduct weekly office hours, addressing complex Python coding challenges and algorithmic problems, which improved student project scores by an average of 25%
- Evaluate and provide constructive feedback on 40+ assignments per week, contributing to an improvement in student code quality and problem-solving skills

MSCS Student Advisory Board Member   Sept. 2023 – Present
Macalester College Mathematics, Statistics, Computer Science Department   *St. Paul, MN*
- Organize monthly technical workshops and career development events, featuring industry professionals and alumni, thus enhancing 40+ attendees' skills in portfolio creation, algorithmic problem-solving and career readiness
- Orchestrate monthly BIPOC in MSCS nights, managing logistics, catering, and promotion, resulting in a 20% increase in BIPOC student participation in MSCS programs
- Facilitate monthly Student Feedback Sessions, bridging communication between faculty and students, leading to an overall increase in student satisfaction ratings and feedback

Software Engineering Fellow   July 2024 – Sept. 2024
Headstarter AI   *Remote*
- Built and deployed 5+ AI projects in 5 weeks using React JS, Next.js, Firebase, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment
- Led 4+ engineering fellows in developing 5 projects from design to deployment, implementing MVC design patterns
- Engaged in weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon, and venture-backed startups, applying insights to improve project architecture and reduce development time by 15%

PROJECTS

Binge Eating Disorder Indicator Web App Quiz | *React, Next.js, CSS, JavaScript, Stripe, Firebase*   Sept. 2024
- Contributed to R.care (YC W21)'s backlog by developing a Binge Eating Disorder Indicator web app using React, Next.js, Firebase, CSS, and JavaScript, improving predicted user accessibility by 25%.
- Implemented robust Firebase integration for quiz results and personalized plans, enhancing API compatibility and data security, leading to an increase in user engagement with personalized content
- Optimized front-end performance through code reviews and testing, reducing page load time by 20%
- Integrated Stripe-based paywall and purchase system with seamless post-purchase app download process

WaterWise - Water Consumption Tracker Website | *Next.js, React, OpenAI, Pinecone, Vercel*   August 2024
- Developed a water consumption tracker with 150+ users using Bootstrap, HTML and CSS setting up real-time data visualization
- Built an interactive and responsive AI Customer Support Chatbox with Next.js and React, handling 95% of user queries automatically
- Integrated a custom RAG pipeline using OpenAI and Pinecone enabling users to get instant support and answers to questions about the website's features and water conservation tips