Kidus Tensay

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EDUCATION

George Mason University, Fairfax, VA — Expected Graduation, June 2026

- Bachelors of Science in Computer Science
- GPA: 3.44/4.00
- Relevant Coursework: Essentials of Computer Science, Introduction to Computer Programming, Object-Oriented Programming, Data Structures, Discrete Math, Formal Methods and Models, Software Engineering

SKILLS

Languages: Java, Python, JavaScript, Html/CSS, C
Frameworks/Databases: React.js, Next.js, Firebase, Node.js, Clerk, MongoDB

WORK EXPERIENCE

Headstarter | Software Engineering Fellow — July 2024 - Current

- Successfully completed an intensive software engineering fellowship with Headstarter, building 5+ AI projects and developing a final project with the goal of attaining over 1000 users.
- Enhanced full-stack development skills through hands-on coding and project work, implementing feedback from Amazon and Microsoft engineers to improve code quality by 70%.
- Strengthened technical and soft skills through rigorous weekly challenges, peer reviews, and exposure to industry professionals.

PROJECTS

NBA Stats ChatBot | Next.js, React — August 2024

- Engineered and deployed a real-time NBA stats chatbot on AWS EC2, integrating AI APIs with React and Next.js to process 4000+ player statistics per second, overcoming challenges in data synchronization.
- Redesigned chatbot UI/UX using React components, resulting in a 30% increase in usability and overall user engagement.

Flashcard Generator | Next.js, Clerk. Firebase — August 2024

- Engineered a Next.js flashcard generator application, integrating React, Firebase, OpenAI, and Clerk to enable AI-powered content creation and secure user authentication for 10+ active users.
- Architected an intuitive study platform leveraging AI-driven content creation, reducing flashcard generation time by 90%.

Bellman-Ford Algorithm Simulator | Java — April 2024

- Utilized the Java Collections Framework and Java Universal Network/Graph Framework to implement a directed graph class, supporting advanced graph operations and enabling graphical simulation.
- Completed the implementation of the Bellman-Ford algorithm to find the shortest paths in graphs with negative weights, integrating the algorithm into a GUI simulator for step-wise execution and visualization.

Certifications

Microsoft Office Specialist (MOS)