Olamide Ogunsanya

713-732-6048 | olamideogunsanya@outlook.com | linkedin.com/in/ola-ogunsanya | github.com/olamidde

EDUCATION

The University of Texas at Austin   Austin, TX
B.S Computer Science and Mathematics   *May 2025*
- Relevant Coursework: Autonomous Robotics, Software Engineering, Artificial Intelligence, Machine Learning, NLP

EXPERIENCE

Figma   May 2024 – Aug 2024
Software Engineer Intern
- Implemented tab bar renaming feature, increasing user workflow efficiency and reducing file organization time
- Led design and implementation of agent debug menu system, enabling rapid issue diagnosis for support teams and users by surfacing critical desktop app metrics and process logs
- Revamped desktop tab bar notification system with new UI and resolved web app synchronization issues, improving cross-platform consistency
- Developed comprehensive e2e stable tests for desktop app, enhancing test coverage and improving reliability of critical user scenarios

Microsoft   July 2024 – Sep 2024
Software Engineer Intern
- Contributed to ML model serving infrastructure for SQL Server's query processing system, helping reduce inference latency by 15% through optimized container deployment and resource management
- Collaborated with SQL COGS and web teams to implement feature extraction pipeline improvements for intelligent query optimization, processing 100K+ daily requests while reducing preprocessing time
- Developed monitoring dashboard for SQL Server's ML query performance predictions, helping identify query plan regressions 40% faster and implementing automated alerts across 2 test environments

Microsoft   May 2023 – Aug 2023
Software Engineer Intern
- Engineered Python and Azure Functions automation to clean up 56,000 stale SharePoint Online database records, reducing storage overhead
- Optimized SPO database maintenance using T-SQL scripts, reducing storage costs significantly through efficient cleanup automation

Texas Robotics   Jan 2022 – Aug 2023
Autonomous Robotics Researcher
- Developed and implemented an advanced path planning algorithm leveraging the mapping capabilities of Boston Dynamic's Spot Robot, integrating a computer vision pipeline and reinforcement learning methodologies
- Co-authored a research paper presenting our findings, demonstrating the algorithm's rate of success in avoiding and blocking moving obstacles

Microsoft   June 2022 – Aug 2022
New Technologist Intern
- Developed an MVP React application in a team of 5 to teach underprivileged groups career-based skills personalized to their interests
- Designed and implemented responsive UI components for course content delivery and user profile management
- Set up Firebase authentication and database infrastructure to handle user data and course progression tracking

PROJECTS

Music Mind | *LangChain, OpenAI APIs, Pinecone, MIDI*
- Built an AI music production assistant using LangChain and OpenAI APIs that analyzes music theory patterns, suggests chord progressions, and generates MIDI sequences based on user input
- Implemented vector database using Pinecone to efficiently store and retrieve musical patterns, enabling real-time music theory analysis and recommendations

Code Mentor | *LLMs, AST Parsing*
- Developed an intelligent code review system using LLMs and AST parsing to provide contextual code suggestions
- Engineered custom prompt templates and chain-of-thought reasoning to enhance suggestion relevance and maintain consistency with project-specific coding standards

TECHNICAL SKILLS

Languages: Java, JavaScript, Swift, Python, C++, HTML, CSS, C#, TypeScript, Tailwind, SQL, Rust, Haskell
Technologies: React.js, Next.JS, Git, OpenCV, Supabase, PostgreSQL, Ruby, PyTorch, TensorFlow, Kubernetes, LangChain, Ray, Docker, Pinecone, Tailwind, Django, GraphQL, Gazebo, Redis, Scikit-learn