Isaiah McNealy

904.697.6556 | isaiah.mcnealy@rice.edu | www.linkedin.com/in/isaiahmcnealy/

EDUCATION

Rice University — Houston, TX
Master of Computer Science - Machine Learning & Big Data — *May 2026*

Florida A & M University — Tallahassee, FL
Bachelor of Science in Computer Science - Magna Cum Laude — *May 2021*

EXPERIENCE

Senior Software Engineer — July 2021 – Present
Eli Lilly — *Indianapolis, IN*

- **Innovative Problem-Solving:** Developed an internal tool using Python, mitigating brand damage stock devaluation by 4% after a Twitter impersonation incident, leading to increased customer trust and brand security.
- **Technical Leadership:** Implemented new features in Android applications using Jetpack Compose and Kotlin, resulting in a 15% increase in user engagement and a streamlined user experience.
- **Efficiency Improvement:** Revamped internal documentation standards, freeing up 8% of the engineering team's time, enabling the team to focus more on core development task, improving overall efficiency.
- **Stakeholder Collaboration:** Partnered with global stakeholders in the US, Germany, India, and England to define technical requirements, ensuring alignment and timely delivery of projects across different time zones.

Technical Lead — January 2022 – December 2023
Eli Lilly — *Indianapolis, IN*

- **Strategic Leadership:** Led the development of Lilly's Cloud, Analytics, and UI libraries for the Lilly Together mobile application, improving code re-usability by 20% and reducing development time for new features.
- **Team Development:** Trained team members and third-party vendors, increasing team efficiency, and ensuring consistent code quality across the team.
- **Resource Management:** Negotiated technical resource allocation across multiple projects, ensuring deadlines were met while maintaining budget constraints, and minimizing slippage.
- **DevOps:** Pioneered the integration of advanced CI/CD pipelines, reducing deployment time by 22% and significantly decreasing the frequency of production issues, which resulted in a more reliable and efficient software release process.

Software Engineer Intern — June 2020 – August 2020
Eli Lilly — *Indianapolis, IN*

- **User-Centered Design:** Designed and developed an iOS application for connected clinical trials that visualized patient data in near real time, using human-centered design principles, enabling researchers and healthcare providers to derive real time insights for analysis.

Program Manager Intern — June 2019 – August 2019
Johnson & Johnson — *New Brunswick, NJ*

- **Project Management:** Led the project management intern class using Scrum and agile methodologies, achieving a 100% stakeholder satisfaction rate, and ensuring all deliverables were completed on time.

TECHNICAL SKILLS

Languages & Frameworks: Python, Kotlin, SQL, JavaScript, Swift, PyTorch, Pandas
Skills: Machine Learning, Natural Language Processing, Communication, Mobile Development, Full-stack Development
Interest: High School Coaching, Cooking, Hiking, Reading, NFL (Jaguars)