

# Isaiah McNealy

904.697.6556 | [isaiah.mcnealy@rice.edu](mailto:isaiah.mcnealy@rice.edu) | [www.linkedin.com/in/isaiahmcnealy/](http://www.linkedin.com/in/isaiahmcnealy/)

## EDUCATION

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### Rice University

*Master of Computer Science - Machine Learning & Big Data*

Houston, TX

*December 2025*

### Florida A & M University

*Bachelor of Science in Computer Science - Magna Cum Laude*

Tallahassee, FL

*May 2021*

## EXPERIENCE

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### Senior Software Engineer

*Eli Lilly*

July 2021 – Present

*Indianapolis, IN*

- **Innovative Problem-Solving:** Rapidly developed and implemented an internal tool with Python to mitigate brand damage and halt the 4% drop in corporate stock value following the Eli Lilly Twitter impersonation incident. Collaborated with Cyber Security and Legal teams to design and implement a robust solution for future incidents.
- **Technical Leadership:** Implemented new features and functionality for Android applications using Jetpack Compose and Kotlin, adhering to best practices and utilizing MVVM and MVC architectural principles.
- **Efficiency Improvement:** Revamped internal documentation standards accelerating on-boarding and empowering team members to troubleshoot issues independently, freeing up 8% of the engineering team's time.
- **Stakeholder Collaboration:** Partnered with key stakeholders (US, Germany, India, and England) to gather technical requirements and assess software development implementation feasibility.

### Technical Lead

*Eli Lilly*

January 2022 – December 2023

*Indianapolis, IN*

- **Strategic Leadership:** Led the development and integration of Lilly's Cloud, Analytics, and User Interface libraries into Lilly Together, the flagship mobile application with 1,250 active patients that improves patient outcomes by tracking data, improving medication adherence, and streamlining communication between patients and healthcare providers.
- **Team Development:** Trained third-party vendors and new team members on Agile methodology, testing tools, and internal SDKs, increasing team efficiency by 15% through a design-first model and effective communication.
- **Resource Management:** Negotiated technical resource allocation across several concurrent projects, ensuring deadlines and budgets were met while aligning project requirements with senior leadership and stakeholders.
- **On-boarding Program:** Developed and delivered a comprehensive on-boarding program, resulting in a 30% decrease in the time it takes for new members to become productive.

### Software Engineer Intern

*Eli Lilly*

June 2020 – August 2020

*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 to ensure that the application was easy to use and met the needs of on-site healthcare providers.

### Program Manager Intern

*Johnson & Johnson*

June 2019 – August 2019

*New Brunswick, NJ*

- **Project Management:** Led the project management intern class using Scrum and agile methodologies, achieving a 98% satisfaction rate from stakeholders.

## TECHNICAL SKILLS

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**Languages & Frameworks:** Python, Kotlin, SQL, JavaScript, Swift, Node.JS, React

**Skills:** Communication, Mobile Development, Full-stack Development, Testing, Machine Learning

**Interest:** High School Coaching, Cooking, Hiking, Reading, NFL (Jaguars)