# Michael Cross

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## EDUCATION

**Stanley, Tucker and Lee University**                                    Lake Leeton, NJ

B.Sc in Information Technology
2019 - 2025 / GPA: 3.0
*Dean-s List - Winter (2025)*
Relevant Coursework: Django, AWS, C++, Docker, Java

**Novak PLC School**                                                     North Brooke, India

Grade 12(CBSE) - Year of Completion (2017) - GPA 3.97
Grade 10(CBSE) - Year of Completion (2014) - GPA 3.51

## EXPERIENCE

**Frontend Developer**                                                  May 2023 - Sep 2025

*Moore and Sons*
Collaborated with a team of developers to build scalable REST APIs for a financial application using Django and PostgreSQL. Led the implementation of authentication and authorization workflows and optimized complex queries to enhance performance by 40%.

**Frontend Developer**                                                  Jun 2024 - Aug 2024

*Owens-Russell*
Led the migration of a monolithic backend to a microservices architecture using Node.js and Docker. Developed internal CLI tools for deployment automation and monitoring services.

**Data Science Intern**                                                 May 2023 - Aug 2025

*Howard, Townsend and Hayes*
Redesigned the UI of a legacy application using React and Tailwind CSS, improving usability and accessibility. Conducted A/B testing and user feedback sessions, resulting in a 25% increase in user engagement metrics.

## SKILLS

React, C++, HTML/CSS, PostgreSQL, Git

## PROJECTS

- Designed and developed an online bookstore REST API using Django, Django REST Framework, and PostgreSQL. Implemented search, filtering, and pagination with token-based authentication and role-based access.

- Engineered a facial recognition-based attendance system using OpenCV and Python, with attendance data logged in a MySQL database. Also developed a GUI using Tkinter for admin operations and reports.
- Developed an e-learning platform with user sign-up, video lessons, and real-time quizzes using Firebase for backend services and React for the frontend. Deployed to Firebase Hosting and integrated email notifications.