

# Kelechi Madueke | [LinkedIn](#)

[kelechimadueke.com](http://kelechimadueke.com) | [kacymaduk@gmail.com](mailto:kacymaduk@gmail.com) | 610-999-6753

## EDUCATION

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### Drexel University

*Bachelor of Science in Computer Science*

**Cumulative GPA:** 3.51/4.0

**Relevant Coursework:** Data Structures & Algorithms, Computing & Informatics Design, React, Advanced Python Programming, Object Oriented Programming,

**Clubs & Awards:** Drexel Dean's List, Drexel Dean Scholarship, Drexel AI, The Good Idea Fund, Drexel African Student Association

**Philadelphia, PA**

*Expected Graduation – June 2026*

## SKILLS

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**Programming Languages:** Python, Node.js, JavaScript, Swift, Java, HTML, CSS, Bash, C, C#, SQL

**Technical Skills:** Microsoft Azure, AWS, OSI Soft, Honeywell Experion DCS, React, GitHub, Agile Methodologies, Express, Tailwind CSS, JWT, bcrypt, React

**Professional Development:** Mastercard Career Readiness Program, CodePath Advanced Technical Interview, ServiceNow NextGen Program, Code2040 Fellows Program

## WORK EXPERIENCE

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### Penn Medicine, Department of Radiology

*Software Engineer*

**Philadelphia, PA**

*July – September 2024*

- Developed and documented web and database code using PHP, JavaScript, XML, JSON, and SQL to enhance a gamification platform aimed at improving radiology residents' understanding of image interpretation
- Collaborated with radiologists and clinicians to design and iteratively refine UI and UX, optimizing the user experience and improving user interface features
- Participated in project-related events such as platform trials, academic conferences, and radiologist shadowing, contributing to academic articles and presenting research findings

### Solvay Specialty Polymers

*Process Engineer*

**West Deptford, NJ**

*April 2024 – June 2024*

- Supported projects and operation through data gathering, analysis, and implementation of changes in a fluoropolymer manufacturing facility using PI technologies by OSISoft
- Updated the Distribution Control Systems and Plant Information screens, supporting the conversion of control systems and editing of pre-existing plant structures on the database systems
- Performed plant instrument trouble shooting procedures by analyzing trends of tags in the plant

### Morgan Lewis & Bockius

*Software Developer*

**Philadelphia, PA**

*March 2023 – September 2023*

- Spearheaded the development of the Early Adopter App, an initiative to automate software adoption across the firm, enhancing workflow efficiency and user experience
- Conducted comprehensive testing and quality assurance, utilizing analytical skills to identify performance challenges and streamline application workflows

## PROJECTS

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### AfroRank

*Software Developer*

**April - May 2024**

- Developed AfroRank, a web application for African students to find and review universities in the U.S., using React for the frontend and Node.js with Express for the backend
- Implemented secure user authentication and authorization with JWT and bcrypt for password hashing
- Utilized MongoDB as the database to store user data, using Mongoose for database modeling and queries
- Enhanced user experience and interface design with Tailwind CSS for responsive and modern styling
- Configured project setup and development environment with tools such as Create React App, craco, and Postman for API testing and debugging

### Centaur

*Full-Stack and Software Engineer*

**July 2024 - September 2024**

- Modernized Centaur, a medical education platform, by migrating the frontend from PHP to React, improving user interface and interactivity for medical trainees and professionals
- Integrated existing PHP backend with the new React frontend, ensuring seamless data flow and maintaining compatibility with the SQL Server database
- Utilized React Router for client-side routing and Tailwind CSS for responsive design enhancing user experience
- Collaborated with backend developers to refine API endpoints for data retrieval and submission for user modules