

Bineta Diatta

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EDUCATION

Florida International University — B. S. of Computer Science – 3.7 GPA Spring 2026

Additional Coursework: Data Structures and Algorithms, Programming II in Java, Professional Technical Writing for CS, CodePath: Web Development 102, Software Engineering I, Human-Computer Interaction

McLennan Community College — Associate of Science – 3.8 GPA May 2023

WORK EXPERIENCE & PROJECTS

Dream in Green x INIT Build – Web Development Team Member October 2024 – December 2024

- Collaborated on enhancing the *Recyclepedia* app and website using React.js, Tailwind CSS, and Firebase to provide resources and educate communities on recycling and reducing contamination rates.
- Developed user-friendly features like municipality-specific recycling info and geolocation-based options to promote community engagement and encourage sustainable practices.
- Improved UI/UX design for better accessibility and user satisfaction across multiple languages and incorporate gamification strategies to drive user interaction and retention.

Geek Test — REST API Project January 2025

- Developed the Book Browsing & Searching feature for Geek Test, an online bookstore, by implementing RESTful API endpoints to retrieve books by genre, top sellers, and rating filters.
- Designed and optimized SQL queries using Java Persistence API (JPA) and MySQL to ensure efficient data retrieval and seamless integration with the backend.
- Led the team as Scrum Master, facilitating stand-up meetings, managing backlog grooming, sprint planning, and retrospectives to ensure smooth project execution and timely delivery of user stories.

Library Management System — React Application

- Developed a React app for managing a library with real-time book information create a positive user experience.
- Integrated REST API using Axios to fetch and display book details dynamically.
- Leveraged React Context API for efficient state management across the app.

LEADERSHIP & INVOLVEMENT

Major League Hacking - ShellHacks 2024 – Hacker September 2024

- Developed a financial literacy app for beginners, offering accessible resources to improve financial knowledge.
- Utilized React.js and JavaScript with useState and hooks for interactive state management while integrating Axios for API calls, enabling real-time content retrieval.
- Designed a responsive interface using Bootstrap to ensure optimal usability and improve user experience.

NCAA Division I Student-Athlete — Florida International University June 2021 – Present

- Demonstrated strong time-management skills, balancing 30+ hours per week of athletics (training, competition, meetings) while maintaining academic responsibilities and campus involvement through extracurriculars.
- Enhanced communication & leadership through team collaboration and competitive sports performance.

TECHNICAL SKILLS

- **Languages & Technologies:** Java, HTML5, Tailwind CSS, Bootstrap, JavaScript, C
- **Tools & Platforms:** Git, GitHub, Firebase, IntelliJ IDEA, Visual Studio, Node.js, Maven
- **Frameworks & Libraries:** React.js, Spring Boot, SCRUM methodology, Agile Principles
- **Backend & Databases:** Firebase, MySQL, REST API integration
- **Soft Skills:** Problem-solving, Team collaboration, Adaptability, Communication, Leadership, French

Organizations & Awards: Management Leadership for Tomorrow, FIU INIT Build, Girls Who Code, Women in Computer Science, Society of Women Engineers, Color Stack, Rewriting the Code, Honors Society Nominee, Dean's List