Fuchinanya Akpuokwe

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ABOUT ME

I am a junior looking forward to practicing and gaining more work experience—I am a result-oriented individual with creative capabilities and great enthusiasm for software and cybersecurity-based content.

EDUCATION

Iowa State University   Anticipated: May 2027
Bachelor of Science, Software Engineering, (GPA: 4.00/4.00)   Ames, IA
- **Minor:** Cyber Security
- Dean's List, 2023-2024 & 2024-2025 Academic Years
- **President's List, 2024-2025 Academic Year**
- **Alpha Lambda Delta Honor Society**

PROJECTS

- **Game Tribe,** *Team project*   March 2025 – May 2025
  - Built e-commerce web application using React.js frontend and Node.js/Express backend with MongoDB database, featuring user authentication, shopping cart, and order processing
  - Implemented RESTful APIs with JWT authentication, dynamic game catalog with search/filter functionality, and responsive design for seamless cross-device experience
- **Search and Rescue Autonomous Vehicle (CyBot),** *Team Project*   January 2025 – May 2025
  - Developed autonomous search and rescue robot using embedded C, PING sensors for obstacle detection, and UART communication for real-time telemetry, featuring GPIO control and timer-based navigation algorithms
- **Portfolio Website,** *Personal project*   July 2024 – Present
  - Created a responsive personal portfolio website using HTML, CSS, and JavaScript to showcase projects and technical skills
  - Utilized mobile-first design principles and cross-browser compatibility to ensure optimal user experience across all devices

WORK EXPERIENCE

Engineering Career Fair Ambassador   September 2024 – Present
Volunteer   Ames, IA
- Worked with career services to foster a welcoming atmosphere for employers and students, aiding in event setup, planning, and execution.
- Assisted with career fair operations to enhance networking and employer engagement.

LEADERSHIP & INVOLVEMENT

- **National Society of Black Engineers,** *International Chair*   May 2025 – Present
  - Collaborated with the finance zone to find companies sponsoring internships and full-time positions and to seek opportunities for international students, such as scholarships and events.
- **Women in Science and Engineering,** *Active Member*   August 2023 – Present
- **African Student Association,** *Active Member*   August 2023 – Present
  - Greatly contributed to the success of the Spring 2025 African Night

SKILLS

- **Programming Languages:** C, Java, JavaScript, Python, HTML/CSS, Embedded C
- **Frameworks & Technologies:** MERN Stack (MongoDB, Express.js, React, Node.js), JSON, DOM
- **Development Tools:** Visual Studio Code, Git/GitHub/GitLab, Linux OS, Code Composer Studio, Verilog HDL, Putty
- **Software:** Microsoft Office Suite, Google Workspace, Canva
- **Language Skills:** Intermediate French (B2 certification), Beginner Japanese, Beginner Russian.