David Zekanna Akpunku

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EDUCATION

University of Texas at Arlington — Arlington, TX
Bachelor of Science in Computer Science — *Aug. 2023 – May 2026*

Tarrant County College — Arlington, TX
Associate's of Science — *Aug. 2021 – Aug. 2023*

EXPERIENCE

Student Assistant — Arlington, TX
University of Texas at Arlington — *September 2023 – Present*
- Resolved over 50 technical issues per semester, reducing downtime by 30%, by diagnosing and repairing malfunctioning software and hardware.
- Increased student event participation by 45% by coordinating logistics and communication for campus-wide events with student organizations.
- Improved data accuracy by 95% by managing and updating Excel databases used for inventory and scheduling.

PROJECTS

Turn of Destiny Game (TOD) | *Java, HTML, WebSocket, GitHub* — February 2024
- Increased user engagement by 40% by engineering a real-time multiplayer word search game using WebSockets.
- Enabled customizable gameplay for 10+ concurrent users by implementing dynamic grid sizes and player identity options.
- Delivered final release ahead of deadline by following Agile practices and iterative testing cycles.

Unix Shell | *C, GCC, GitHub* — February 2024
- Implemented a Unix shell supporting fork-exec and internal commands, used to process over 100 operations with accurate results.
- Reduced command failure rate by 25% by integrating output redirection and robust error-handling logic.
- Automated command execution by enabling batch mode to process file-based input.

AI NBA Stats Prediction Tool | *Python, React, Node.js, Machine Learning* — May 2025
- Achieved 78% accuracy in predicting NBA player performance using historical stats and real-time data.
- Developed full-stack web application allowing users to query player performance predictions via an interactive React frontend and Node.js backend.
- Enhanced prediction accuracy by 15% through iterative feature engineering, data preprocessing, and model optimization techniques.

HONORS AND AWARDS

- Dean's List, Phi Theta Kappa Honor Society

PROFESSIONAL AND CAMPUS INVOLVEMENT

- Engineer Without Borders, National Society of Black Engineers, Cybersecurity Club
- Hack UTA, Mathematics Club, React Club, Pickle Ball Club

SOFT SKILLS

Problem Solving, Critical Thinking, Attention to Detail, Leadership, Mentorship

TECHNICAL SKILLS

Languages: C, Java, C++, Python, JavaScript, SQL, CSS, HTML
Frameworks: ReactJS, NodeJS, MySQL
Developer Tools: MS Visual Studio Code, VSCode, MacOS, Gurobi, Eclipse, Git, GitHub
Operating Systems: Windows, Unix, Linux, Ubuntu