

Taylor Barnes

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PROFESSIONAL SUMMARY

Computer Science student at Langston University with hands-on experience building full-stack web applications, frontend interfaces, and security-focused tools. Comfortable across the stack — from UI/UX design to backend functionality and network security features. Dean's List honoree with a 3.5 GPA and credentials spanning cybersecurity, cloud computing, and AI, actively pursuing opportunities in software engineering, frontend development, and cybersecurity at tech companies.

EDUCATION

Langston University

Bachelor of Science in Computer Science. Dean's List. GPA: 3.5/4.0.

Spring 2028

PROJECTS

Device Management System

Full-Stack Software Engineer

- Developed a web application that monitors and manages all devices connected to a home WiFi network, tracking data usage and identifying high-bandwidth devices.
- Implemented security-focused features including alerts for unknown devices, device trust management, and secure user authentication.
- Built a network analytics dashboard displaying connected devices, estimated data usage, and bandwidth consumption in an intuitive interface.

Student Operating System (StudentOS)

August 2024 – May 2026

Full-Stack Software Engineer

- Built an all-in-one productivity and career management web application enabling students to organize assignments, schedules, resumes, internships, certifications, projects, finances, and career goals from a single dashboard.
- Integrated an AI chatbot that answers student questions, delivers reminders, and supports ongoing task management.

Streaming Hub Website

Frontend Developer and UI/UX Designer

- Redesigned the user experience of modern streaming platforms by building a unified dashboard that centralizes content discovery and navigation.
- Developed interactive platform selection, profile management, and content browsing features using HTML, CSS, and JavaScript, improving accessibility and visual consistency.

Haven of Healing Therapy Website

Full-Stack Developer

- Developed and deployed a responsive therapy business website with full frontend and backend functionality.
- Designed a user-friendly experience enabling clients to access services, resources, and contact information across multiple devices.

Food Mashup Website

Web Developer

- Built a dynamic food mash-up website using XAMPP with color-coded layouts to enhance user experience.
- Implemented interactive features and functional links to manage customer orders, including adding, deleting, and tracking orders with real-time timestamps.

ACTIVITIES & LEADERSHIP

Volleyball Team

Co-Captain

Computer Science Club

Member

CERTIFICATIONS

- Cybersecurity Fundamentals
- Cloud Computing Fundamentals
- AI Fundamentals: Foundations for Understanding AI
- AI Fundamentals: Language and Vision in AI
- Artificial Intelligence Fundamentals
- Data Fundamentals

- Enterprise Design Thinking Practitioner
- Information Technology Fundamentals
- Project Management Fundamentals
- User Experience Design Fundamentals
- Web Development Fundamentals

SKILLS

Languages: JavaScript, Python, Java, HTML, CSS, C++, C#

Tools and Environments: Visual Studio, XAMPP, JDoodle, Microsoft Office Suite, Google Suite, macOS, Chrome OS, Windows