

Victor Berrios

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EDUCATION & AWARDS

Bachelor of Science in Computer Engineering (Cybersecurity Concentration) Expected: May 2026
University of Arkansas, Fayetteville, AR | GPA 3.532
Senior of Significance | 2026

SKILLS SUMMARY

- **Programming:** Python, C++, C, Java, JavaScript, VHDL, Verilog, SQL
- **Tools & Platforms:** Django, PostgreSQL, MySQL, Power BI, ModelSim, Synopsys Design Vision, SolidWorks, Trello, Slack, Git
- **Technical Areas:** Embedded Systems, Digital Design, Microcontrollers, Networking Fundamentals, Cybersecurity Fundamentals

ENGINEERING-RELATED EXPERIENCE

- PhishWise Scam Trainer - Capstone Senior Design Project** Summer 2025 - Present
- Developing an interactive phishing-awareness platform that simulates realistic phishing emails to help users recognize social engineering indicators.
 - Building training content and learning modules that apply cybersecurity and software engineering principles to user education.
- Software Engineering Project - Laser Tag Game Simulation** Fall 2024
- Built a full-stack multiplayer laser tag simulation using **Django, PostgreSQL, HTML/CSS, JavaScript,** and **UDP networking**.
 - Implemented real-time score tracking, game timers, team assignments, and responsive front-end updates for live gameplay.
 - Collaborated in a **5-sprint Agile** workflow using Trello and Slack to coordinate development and integration.
- System Synthesis and Modeling Project - Microcontroller** Fall 2024
- Designed and simulated a 16-bit microcontroller in **Verilog** with an ALU, Program Counter, FSM control, shared bus architecture, and I/O ports.
 - Implemented arithmetic and logic operations including ADD, SUB, NOT, AND, OR, XOR, and XNOR.
 - Created State Transition Graphs, simulated in **ModelSim**, and synthesized with Synopsys Design Vision with timing constraints for hardware validation.
- American Tubing International Engineering Intern** Summer 2022
- Proposed and implemented SolidWorks-based organizational solutions to improve workflow efficiency and modernize office operations.

LEADERSHIP EXPERIENCE

- Summer Camp Committee Leader** Fall 2023 - Present
- Lead a **team of 12** developing **250+ hours** of engineering camp curriculum, schedules, and activities.
 - Coordinate meetings, delegate tasks, maintain quality, and collect feedback to improve the program.
- Senior Student Ambassador** Summer 2023 - Present
- Train and mentor new student ambassadors while overseeing tour quality; delivered **100+** personalized tours highlighting the College of Engineering, academic programs, and student opportunities.
 - Represent the College of Engineering at outreach events, recruit prospective students, and advise students on college preparation.
- DogsToHogs Springdale High School Mentorship Program** Summer 2025 - Present
- **Co-founded** a college preparation and mentorship program supporting Springdale High School students through college application and readiness guidance.
 - Serve as one of four original mentors, providing one-on-one guidance to three senior students on applications, scholarships, and college-readiness planning.

CAMPUS INVOLVEMENT

- Association of Computing Machinery** Fall 2022 - Present
- Society of Hispanic Professional Engineers (SHPE)** Spring 2023 - Present
- Cyberhogs** Fall 2024 - Present