

John Wesley Cook

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EDUCATION	Candidate for Bachelor of Science in Commerce & Business Administration , The University of Alabama	
	Graduation Date: December 2025	GPA: 3.4/4.0
	Major: Management Information Systems	Specialization: Business Cyber Security
EXPERIENCE		
January 2025 – Present	Developer, Capstone Conferences App, Tuscaloosa, AL <i>Goal:</i> Develop a comprehensive mobile application to streamline conference participation and enhance attendee interaction. <i>Value:</i> Improved attendee experience by simplifying event management, real-time notifications, and facilitating seamless user interactions during conferences. <i>My Contribution:</i> <ul style="list-style-type: none">Implemented REST API interactions using Clerk authentication, boosting data security and integrityBuilt a responsive scheduling interface with calendar support, boosting participation by 20%Created a university dropdown using an external API with dynamic filtering based on user inputAchieved 200+ downloads and 40% user engagement after deploying to both app stores	
June 2025 – Present	Information Security Analyst, Protective Life, Birmingham, AL <i>Goal:</i> Strengthen network security and optimize infrastructure through data-driven analysis and real-world application of cybersecurity frameworks. <i>Value:</i> Identified legacy inefficiencies and leveraged SIEM and NIST-based insights to support a \$1.6M cost-saving transition to wireless infrastructure, while advancing Protective's cloud migration strategy. <i>My Contribution:</i> <ul style="list-style-type: none">Used SIEM tools (Zscaler, NSS, Splunk) to boost log analysis by 25% and enhance threat detectionDiscovered a shared subnet between guest and internal employee Wi-Fi networks through pentesting with Kali Linux, revealing a critical lack of network segmentationGained IAM experience using Hyena to analyze user permissions, access logs, and provisioning.Contributed to a shift from wired to wireless switches, leveraging the NIST Cybersecurity Framework to strengthen security while supporting a \$1.6M cost-saving infrastructure overhaul	
August 2024 – Present	Cyber Security Student Analyst, UA Business Cyber Security Program, Tuscaloosa, AL <i>Goal:</i> Strengthen network security and identify vulnerabilities through practical application of cybersecurity tools. <i>Value:</i> Enhanced the security posture of network systems by identifying and addressing vulnerabilities. <i>My Contribution:</i> <ul style="list-style-type: none">Conducted Wireshark labs and VMware assessments, reducing system vulnerabilities by 25%Delivered 10+ security reports via Tableau, improving threat visibility by 20%Applied Kleopatra-based encryption techniques, increasing data protection by 30%	
June 2021 – August 2024	Sales Associate, Home Depot, Daphne, AL <i>Goal:</i> Deliver product expertise and tailored customer support to drive appliance sales. <i>Value:</i> Drove customer satisfaction and boosted sales performance. <i>My Contribution:</i> <ul style="list-style-type: none">Advised customers on appliances using in-store tools, boosting department sales by 12%	
TECHNICAL EXPERIENCE	Languages: C#, SQL, HTML, CSS, JavaScript, TypeScript Frameworks/Libraries: VueJS, ASP.NET MVC, Bootstrap, jQuery, React, Expo Operating Environments: MS Windows, Linux, macOS Business Tools: Visual Studio, Tableau, Git, MySQL Workbench, Adobe Acrobat, Splunk Security Tools: Wireshark, Kleopatra, Kali Linux, VMWare, Metasploit	
HONORS AND ACTIVITIES	Alabama Information Management Society (AIMS) Future Alumni for Tradition and Excellence UA Honors	1st Place – Post-Quantum Cryptography Cybersecurity Challenge (AIS x Walmart) Presented an implementation strategy for post-quantum security; awarded \$2,000