Braden Wingfield

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EDUCATION

University of Tennessee, *Bachelor of Science*   Knoxville, TN

Major: *Computer Science,* Minors: *Integrated Business and Engineering & Machine Learning,* GPA: *4.0*   Expected 05/2027

- Selected for the competitive Heath Integrated Business and Engineering Cohort, bridging business and engineering through real-world projects and mentorship to build cross-disciplinary technical and interpersonal skills..
- Spearheaded a Lean Six Sigma project with a major retailer, driving multi-million dollar process improvements and operational efficiency by reducing a key fulfillment process by approximately 27%.
- Analyzed data trends using Python to recommend operational enhancements, and collaborated with multidisciplinary teams to present solutions that increased stakeholder buy-in.

Cleveland State Community College, *Associate of Arts*   Cleveland, TN

Major: *Entrepreneurship,* GPA: *4.0*   05/2023

- Graduated High School Salutatorian while simultaneously earning an Associate of Arts in Entrepreneurship.

PROFESSIONAL EXPERIENCE

Tennessee Valley Authority   Chattanooga, TN

Software Engineering Intern   05/2024 - Present

- Contributed to team-driven development stories within an Agile and Scrum environment, supporting the creation of two new applications and the replacement of a legacy system to modernize workflows and drive operational efficiency.
- Evaluated the legacy platform's user experience and developed a proof-of-concept using Angular and .NET, independently demonstrating enhanced functionality and strategic improvements.
- Led comprehensive codebase reviews, conducted bug testing, and created unit tests, boosting overall code quality.

State of Tennessee: Business Continuity and Disaster Recovery   Nashville, TN

Cyber Security Intern   11/2023 - 11/2024

- Performed extensive risk assessments using Archer to identify vulnerabilities and dependencies, enhancing the resilience of state department software operations.
- Facilitated cross-departmental meetings to perform a business impact analysis and design a tailored BCDR plan, ensuring rapid recovery and minimized downtime.
- Executed tabletop exercises and live recovery tests, refining disaster recovery protocols with industry best practices for continual operational improvement.

IronIndustries   Cleveland, TN

Founder   06/2021 - 08/2023

- Scaled a 3D printing business to fulfill 850+ custom orders, delivering high-quality products tailored to client needs and increasing client profit margins by 28% by reducing production time and material costs.
- Leveraged data insights and technical expertise to optimize operations, including assembling and repairing hardware and employing CAD software for innovative product designs.
- Awarded the Cleveland State Community College Student Shark Tank Winner in 2023, validating entrepreneurial acumen and competitive business strategy.

LEADERSHIP EXPERIENCE

Hack4Impact UTK   Knoxville, TN

A student-led nonprofit with over 60 members developing professional software for nonprofit organizations.

Director of Talent Sourcing   05/2024 - Present

- Increased campus awareness by 33% through targeted outreach events, social media, and info sessions, resulting in 60+ interviews to match students with roles in technical leadership, product management, design, and development.

Hack4Impact UTK   Knoxville, TN

Learning Based Project Developer   09/2023 - 05/2024

- Advanced web development skills through lectures and a hands-on project using the MERN stack in an Agile environment.

Hack4Impact UTK   Knoxville, TN

Project Sourcing Team Member   09/2023 - 05/2024

- Networked with 25+ nonprofits, crafted product requirement documents, and ensured seamless team communication, resulting in the successful launch of 5 projects delivering effective software solutions.

SKILLS

C++, Operating Systems, Data Structures, Algorithms, JavaScript, React, MongoDB, Git, Agile, Scrum, Lean Six Sigma, Fusion360