

# Hamilton Sodergren

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## EDUCATION

Candidate for **Bachelor of Science in Commerce and Business Administration**

The University of Alabama, Culverhouse College of Business

**Graduation Date:** December 2024

**GPA:** 3.5/4.0

**Major:** Management Information Systems

**Minor:** Business Cybersecurity

## EXPERIENCE

June 2024 – August 2024

**Ignition Developer Intern, Phifer Inc. (Supported by APC), Tuscaloosa, AL**

**Goal:** Streamline manufacturing operations and data accessibility by delivering new and enhanced Ignition web applications tailored to Phifer's specific needs.

**Value:** Enabled Phifer to optimize decision-making and operational efficiency by providing intuitive and visually engaging tools for real-time manufacturing data and process management.

**My contribution:**

- Delivered a modernized UI with an updated color scheme, enhancing usability and aligning Ignition projects with current design standards.
- Developed a dynamic web application allowing managers to efficiently create and assign weekly machine audit schedules across multiple departments, ensuring compliance and accountability.
- Implemented new UI elements, efficiency metrics, and interactive charts for monitoring real-time data from wire production machines, empowering teams to identify trends and improve productivity.

August 2024 – December 2024

**Capstone Project Business Analyst & Software Developer, The University of Alabama, Tuscaloosa, AL**

**Goal:** Develop an automated solution within Walmart's Concord environment to proactively manage expiring certificates by enabling renewal, download, and reassignment to specific business functions.

**Value:** Streamlined Walmart's certificate management process, reducing manual effort and minimizing risks associated with expired certificates, while reallocating employee focus to higher-value projects.

**My Contribution:**

- Spearheaded the creation of robust Concord flows and Python scripts to automate certificate tracking and renewal, ensuring seamless integration with Walmart's systems.
- Conducted in-depth requirements gathering to define the project's technical scope, aligning the solution with Walmart's operational and business needs.
- Led the team's efforts in rigorous testing and debugging of new code within the Concord environment to ensure reliability, scalability, and functionality.

August 2023 – December 2023

**Web Developer, The University of Alabama Business Programming II, Tuscaloosa, AL**

**Goal:** Build a comprehensive full-stack application for the Tuscaloosa Sports Association, a hypothetical organization, by translating client requirements into a functional and user-friendly platform.

**Value:** Delivered a fully operational, intuitive, and bug-free website that streamlined scheduling tasks, enhancing user interaction and accessibility.

**My Contribution:**

- Designed and implemented the website's schedule page using HTML, CSS, and JavaScript, creating an interactive and visually appealing user interface.
- Developed a robust back-end API and database for the schedule page using C# and MySQL, ensuring reliable data management and seamless integration.

## TECHNICAL EXPERIENCE

**Languages:** C, C#, JavaScript, HTML, CSS, SQL, Python, YAML, Java

**Operating Environments:** MacOS, Microsoft Windows, Linux

**Business Tools:** Visual Studio Code, Microsoft 365, GitHub, .NET, MySQL Workbench, Visual Studio, Microsoft Azure, Ignition by Inductive Automation, Concord by Walmart

## HONORS AND ACTIVITIES

**Shelton State Community College Honors Society**

**Member of Phi Theta Kappa Honors Society**

**The University of Alabama Dean's List**

**Member of NSLS (National Society of Leadership)**

**Member of AIMS (Alabama Information**

**Management Society)**