

Jacob Benson

Myrtle, MS |(662) 551-8363 | jsbenson@go.olemiss.edu| www.linkedin.com/in/jacobsbenson

Professional Summary

- A highly motivated student with a solid foundation in programming languages, including Python, Java, HTML, JavaScript, and CSS.
- Possesses over four years of experience in quality inspection of both commercial and military-grade products demonstrating a strong attention to detail and an analytical mindset.
- Dedicated to continuous learning and development, with a focus on expanding expertise in information systems, audit processes, and financial operations.
- Aspiring to enter the field of information systems, eager to contribute to audit assignments and support the development of long-term business solutions
- A student and full-time employee with an exemplary work ethic and strong leadership abilities, and the capacity to thrive in team environments

Education

University of Mississippi, Bachelor of Business Administration, Minor: Management Information Systems

May 2025 GPA: 3.59

Relevant Coursework/Projects:

- Business Analytics Programming
- Client-side Web Application Development, HTML5, JavaScript, CSS
- Java I & Java II
- Introduction to Programming in Python
- Database Management for Business Analytics, Python Libraries Pandas and Seaborn
- PL/SQL Database Design and Analysis
- Server Sided Web Development PHP/MySQL

Work Experience

Hexad Solutions Group Tupelo, MS Design Specialist

April 2024; Present

Job Responsibilities:

- Develop comprehensive fiber optic blueprints for telecommunication networks, ensuring optimal layout and infrastructure planning through detailed analysis of project requirements.
- Analyze and design DOT and City permit applications, incorporating regulatory requirements and right-of-way Data using ArcGIS to ensure compliance and streamline approval processes.
- Evaluate and prepare pole make-ready data with Katapult, providing precise assessments of attachment placements and necessary adjustments on joint-use poles for efficient network deployment.
- Act as a strategic liaison between customers and the offshore team, analyzing project timelines and resource allocations to ensure on-schedule delivery and adherence to customer specifications.
- Conduct in-depth analysis of KMZ files to map project areas, develop data-driven bids, and optimize contract proposals, contributing to successful project acquisitions.
- Leverage CAD software for high-precision blueprint designs and utilize Excel for analytical tracking of project orders, delivery schedules, and performance metrics to ensure continuous improvement.

Olin Corporation, Winchester Oxford, MS Ballistics Technician/Trainer

March 2020; April 2024

Job Responsibilities:

- Perform data analysis by measuring the velocity and pressure of the ammunition as it is fired in a SAMMI test barrel
- Measure and record the accuracy of each caliber utilizing Automated tracking, calipers, and measurement software (MAP)
- Gauge quality of material produced on the production floor by firing loaded ammunition, and handloading production bullets
- Collaborate with coworkers and department engineers to develop and test ammunition to meet customer expectations
- Average shift clears 2,000 rounds of production material per night
- Manage multiple tasks while remaining adaptable and flexible

Awards and Achievements

- Ballistics Certified Department Trainer
- AITP Jackson Chapter Scholarship Recipient
- University of Mississippi Phi Theta Kappa Transfer scholarship recipient
- University of Mississippi Lyceum Scholarship recipient
- Star Employee Recognition Olin Network
- First Chair Concert Trombone NEMCC
- BSU President

Skills

- Programming Languages: Python, Java, VBA
- Data Analysis: Pandas, Seaborn, SQL
- Web Development: HTML, CSS, JavaScript, PL, PHP
- 3D Model Design and Drafting Experience

Course Work Experience

MIS 412, University of Mississippi

Fall Semester 2023

Web Development Projects (Client-Side Web Programming Class)

Course Objectives/ Outcomes:

- Developed interactive web pages using HTML, CSS, and JavaScript
- Implemented responsive design and user-friendly interfaces.
- Semester Project to design a fully functioning webpage: landwclothing.co

MIS 320, University of Mississippi

Fall Semester 2023

Business Analytics Programming (Python)

Course Objectives/ Outcomes:

- Utilized Pandas and Seaborn to analyze and visualize datasets, gaining proficiency in data manipulation techniques
- Completed projects demonstrating data cleaning, visualization, and insights extraction

MIS 408, University of Mississippi

Fall Semester 2024

Database Management for Business Analytics (SQL)

Course Objectives/ Outcomes:

- Gained a comprehensive understanding of Database Management Systems (DBMS) concepts, including relational data models and database architecture
- Developed and implemented database solutions using Oracle DBMS, applying SQL for data retrieval, manipulation, and transaction management
- Practiced database design principles, normalizing datasets, and creating structured, efficient relational databases

MIS 409, University of Mississippi (In Progress)

Spring Semester 2025

Application of DB and Data Analytics

Course Objectives/Expected Outcomes:

- Gained foundational knowledge of Database Management Systems (DBMS), including their design and functionality.
- Acquired proficiency in advanced database technologies and their applications.
- Designed, created, and maintained Relational Database Management Systems (RDBMS) using Oracle.
- Developed database applications using PL/SQL, demonstrating expertise in procedural database programming.
- Implemented database-driven solutions using Python, showcasing integration of programming and database management.
- Applied machine learning techniques in real-world scenarios through DataRobot, emphasizing data-driven decision-making.

MIS 419, University of Mississippi (In Progress)

Spring Semester 2025

Server Sided Application Programming

Course Objectives/Expected Outcomes:

- Gained hands-on experience in developing, deploying, and maintaining database-driven web applications.
- Applied software engineering principles and tools to design efficient and scalable web solutions.
- Utilized software design patterns and frameworks to enhance code structure, reusability, and maintainability.
- Implemented project management methodologies to manage software development effectively.
- PHP programming, applying skills through progressive coding exercises and a comprehensive final project.
- Completed a capstone project by following the System Development Life Cycle (SDLC), including requirement analysis, design, and implementation phases.
- Explored and applied process models and best practices for managing complex software development projects.