Nickolas J. Bartle

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EDUCATION

Candidate for Master of Science in Business Analytics, May 2026
Wake Forest University, Wake Forest College of Business, Winston-Salem, NC

Bachelor of Science in Commerce & Business Administration, December 2024
The University of Alabama, Culverhouse College of Business, Tuscaloosa, AL
Major: Management Information Systems

PROJECT WORK

Full-Stack Local Business Website Project, May 2025 – June 2025
- Developed a secure, full-featured website to improve information security, enhance client services, and provide competitive digital tools tailored to the local business' market needs
- Integrated an online appointment booking system, streamlining client scheduling and saving an average of 30 minutes of manual spreadsheet processing per booking cycle
- Launched a client-facing review forum and newsletter signup system, showcasing past work and capturing new customer data for future outreach
- Built a customer database with automated newsletter and renewal reminders, reducing door-to-door marketing efforts by 160 households and significantly improving client retention efficiency
- Leveraged HTML and Python to construct a real-time email notification system, prompting the owner immediately when a new appointment was booked

Python Codebase & SQL Database Project (Capstone Project), August 2024 – December 2024
- Leveraged Python, JavaScript, and HTML codebase to update client's front-end functionality with new features including class registration forms, attendance records, and creating admin/student logins for the webpage
- Rebuilt and optimized SQL databases and data connections to securely store and update client service records for an online learning platform (OTIDE), improving data accuracy and system reliability
- Refactored legacy code to enhance maintainability and support long-term feature scalability across future platform updates

WORK EXPERIENCE

Information Systems Co-op, August 2023 – September 2024
Mercedes-Benz International, Vance, AL
- Designed and implemented an SQL database to centralize vehicle torque data, reducing employee downtime by 30 minutes and improving data accessibility across the team
- Led a supply chain optimization project to improve part cart space utilization between the warehouse and online production checkpoints, increasing transport efficiency and reducing material handling time
- Built interactive Power BI dashboards to analyze plant-wide manpower data, enabling data-driven staffing decisions that improved on-line team performance and reduced daily faults by 4.6 per station
- Engineered a custom Python solution to scrape scheduling data and generate three interactive predictive performance models, comparing outcomes across two proposed plant schedules

Baseball Data Analyst, September 2022 – February 2023
University of Alabama Athletics, The University of Alabama, Tuscaloosa, AL
- Designed a codebase to manipulate large amounts of data and construct detailed scouting reports off of
- Built another codebase to utilize real-time trackman data and generate in-depth key player metric reports
- Reviewed data and corresponding databases at conclusion of games highlighting specific measurements and mechanics

HONORS & ACTIVITIES

Eagle Scout Member	|	AIMS (Alabama Information Management Society)
Alabama Baseball Data Analytics Team	|	AOSP (Apex Outreach Community Service Project)
University of Alabama Data Analytics Club	|	SABR (Society for American Baseball Research)

TECHNICAL SKILLS

Languages: Python, C#, R, HTML, JavaScript, CSS, SQL
Certifications: Rapsodo (Hitting), Rapsodo (Pitching), Microsoft Office (All Apps), Think-Cell
Business Tools: Power BI, Word, Excel, Access, R Studio, VS Code, MRS, IPM, MySQL, .NET, Rapsodo, Trackman Systems