

# Brandon Jordan

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## EDUCATION

### Troy University

Troy, Alabama

B.A.S Resource and Technology Management

Graduated May 2025

- **Concentrations:** Computer Science
- **Minor:** Computer Science
- **Certifications:** Certified Associate in Project Management (CAPM)
- **Related Coursework:** Data Structures & Algorithms, Operating Systems, Industrial/Organizational Psychology, Software Engineering, Machine Learning, Object-Oriented Programming, Principles of Management, Introduction to Database Systems, Web Application Development, Employment Law, Organizational Behavior

## EXPERIENCE & PROJECTS

### OpenQQuantify

AI Application Intern

May 2024– July 2024

- Refined a GPT-3.5 Turbo Flask app to convert NL into SQL using regex and prompt tuning to resolve syntax errors
- Designed and iterated on prompt templates and database schema definitions to enhance large language model (LLM) performance in structured data querying and dynamic SQL generation
- Updated and maintained OpenAI API integration in a production-like environment, adapting code to new syntax and ensuring consistent functionality across model versions

### Phoenix Cleaning Solutions – Inventory Management Dashboard Application

Personal Project

- Developed a complete full stack inventory management dashboard application featuring a Next.js frontend and a Node.js backend to manage products, inventory, users, and expenses
- Engineered a responsive and interactive front end using Next.js, Redux Toolkit for state management, Tailwind CSS for styling, Material UI Data Grid for tables, and Recharts for data visualization, including light and dark mode functionality
- Constructed a robust backend with Node.js and Express.js, utilizing Prisma ORM for seamless interaction with a PostgreSQL database, emphasizing scalability and separation of concerns between frontend and backend
- Deployed application on AWS, leveraging services such as EC2 for backend hosting, RDS for PostgreSQL database management, Amplify for Next.js frontend deployment, and S3 for image storage, demonstrating practical experience with cloud deployment strategies
- Implemented key features including product search and creation, expense tracking with filtering, user management, and a comprehensive dashboard with widgets and data summaries, showcasing the ability to build functional and user-friendly business applications

### Stock Sentiment Analyzer

Personal Project

- Developed a full-stack web application to analyze real-time market sentiment for any stock ticker using NPL with Hugging Face's DistilBERT transformer model
- Built a Flask backend that integrates Finviz and Yahoo Finance data sources to fetch headlines and compute sentiment scores
- Engineered a clean and responsive frontend using HTML, Bootstrap, and JavaScript to visualize sentiment results and headline-level scores
- Designed RESTful API endpoints for seamless communication between the frontend and ML-powered backend

## LEADERSHIP EXPERIENCE

### Troy University Student Governing Association

Troy, Alabama

Vice Chairman of Greek Housing & Campus Safety Committee

Aug 2021 – Aug 2023

### FarmHouse Fraternity

Troy, Alabama

Vice President

Aug 2022 – Aug 2023

- Organized two FarmHouse Fraternity donation drives ranked in the top 20 of FarmHouse Fraternity chapters
- Chosen as one of only 50 members across all FarmHouse Fraternity chapters to attend annual Leadership Retreat

## SKILLS

**Programming:** Java, C#, SQL, HTML5, CSS, JavaScript, Python, C++, Next.js, React, Tailwind CSS, Node.js, Express.js, Prisma, PostgreSQL, Typescript, ASP.NET Core

**Tools:** Jupyter Notebooks, Git, MySQL, Pandas, VS Code, NumPy, Matplotlib & Seaborn, Scikit-learn, AWS EC2, AWS RDS, AWS Amplify, AWS S3, SDLC, Database Design, Cloud Deployment, RESTful APIs, PyTorch, TensorFlow