

# Yehya Altamimi

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## EDUCATION

### University of Michigan

Bachelor of Science in Software Engineering (GPA: 3.57)

Dearborn, MI

Graduation Date: April 2024

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Web Technology, Database Management Systems, Software Architecture & Design Patterns, Software Engineering, Discrete Structures, Intro to Artificial Intelligence, Deep Learning

## WORK EXPERIENCE

### Spessle

September 2023 – April 2024

Machine Learning Engineer Intern

- Developed Aimee, an AI expert for real-time product recommendations tailored for clients of Spessle, a startup focusing on local businesses, achieving a 20% increase in recommendation accuracy by utilizing Python, PostgreSQL, and natural language processing to analyze customer behavior.
- Integrated advanced search capabilities using Milvus, PyTorch, and BERT, improving search efficiency by 30% for client e-commerce platforms, and enabling accurate product searches based on user queries.
- Enhanced user satisfaction by 25% through rigorous validation testing of AI models, ensuring accurate and relevant product recommendations, which boosted client engagement and transaction success rates.

### Daimler Truck Financial Services

June 2023 – September 2023

Software Engineer Intern

- Enhanced strategic financial insights by developing a Java-based bot for automating monthly RPA performance reports for the CFO, reducing report generation time by 80% compared to manual processes.
- Boosted document processing speed by implementing a Python and OpenAI's GPT-driven AI tool, cutting data extraction times by 50% and doubling bot performance efficiency.
- Streamlined project transitions from concept to production by collaborating on Process Definition and Technical Solution Design Documents, ensuring successful deployment of automated solutions.

### Total Solutions

May 2023 – August 2023

Microsoft Developer Intern

- Ensured a seamless migration from on-premise network to SharePoint Online with zero data loss and a 20% reduction in migration time through rigorous quality assurance and testing.
- Improved a client's website by updating the front end with HTML and CSS to enhance design and user experience, and fixing backend issues with C# to resolve data handling errors, resulting in a 20% improvement in site performance.
- Developed interactive dashboards using Power BI and created automated workflows with Power Automate, reducing manual reporting time by 30% and enhancing data-driven decision-making for clients.

### OST - Open Systems Technologies

October 2022 – May 2023

Software Engineer Intern

- Accomplished improved integration of customer data by developing automated data migration scripts, measured by a 30% reduction in data inconsistencies across systems.
- Achieved a 20% increase in processing speed by optimizing existing SQL queries in the ERP system, measured by benchmarking query execution times before and after optimization.
- Accomplished enhanced user satisfaction by redesigning the ERP system's dashboard based on user feedback, measured by a 25% increase in positive user reviews.

## PROJECTS

### TweetSense: Decoding Twitter Emotions

September 2023 – April 2024

Solo Developer

- **Smart Tweet Scraper:** Crafted an app using Python and Tweepy that cleverly scrapes the latest 1000 tweets from any user's account, providing a snapshot of their recent Twitter activity.
- **Advanced Sentiment Analysis:** Deployed sophisticated Natural Language Processing techniques to measure how positive or negative these tweets are, giving users insight into the emotional tone of their account.
- **Interactive Results Delivery:** Engineered a feature where users get instant feedback by simply tweeting at the app's handle. They receive an engaging, graphical display of their tweet sentiments, plotted with tools like Plotly, directly in their Twitter feed.

## SKILLS

- **Languages:** Python, C/C++ , Java, JavaScript, C#, SQL, HTML, CSS
- **Cloud Platforms & DevOps Tools:** Azure, AWS, Docker, Jenkins, Git/GitHub, Kubernetes
- **Web Development Frameworks and Libraries:** Django, Flask, React, Node.js, Next.js
- **Databases:** PostgreSQL, Milvus, MongoDB, Microsoft SQL Server
- **Machine Learning and Data Processing:** PyTorch, TensorFlow, Scikit-learn, Pandas, Matplotlib, NumPy, spaCy, NLTK