Drew Lickman - Software Developer

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SUMMARY

Highly motivated software developer with a strong foundation in computer science, proficiency in Python, JavaScript, and C#, and experience in developing scalable software solutions with a focus on clean code and best practices. Strong understanding of data structures, algorithms, and artificial intelligence, with excellent leadership and problem-solving skills.

EDUCATION

B.S in Computer Science & Minor in Entrepreneurship @ Middle Tennessee State University

August 2020 - December 2024

3.6 GPA | Dean's List 4 times
Key Coursework: Natural Language Processing, Artificial Intelligence, Data Structures & Algorithms, Computer Graphics, Computer Systems, Software Engineering, Visual Programming, Linear Algebra, Data Analysis

PROJECTS

Financial Data Filtering App

Winter 2025

- Fetched publicly traded company income statement data via API
- Implemented frontend data sorting, filtering, and visualization
- Deployed online with Vercel
- github.com/DrewLickman/Financial-Data-Filtering-App

Natural Language Processing: FOMC Analysis

Fall 2024

- Created an NLP pipeline for text preprocessing and analysis, enhancing data quality for machine learning models
- Implemented various text analysis techniques, including summarization, sentiment analysis, and question-answering
- github.com/DrewLickman/NLP/tree/main/Projects/Project_7_Pipelines

Natural Language Processing: N-Gram Language Model

Fall 2024

- Developed Shakespearean N-gram text generator using Python and NLTK library
- Optimized model performance and accuracy with significant quality improvements
- github.com/DrewLickman/NLP/tree/main/Projects/Project_2_N-gram_Text_Generator

2D Platformer: "Code Runner"

Spring 2024

- Led 5-person team to create Unity 2d platforming video game, managing project via GitHub and Trello
- Programmed core mechanics including player movement and enemy AI systems
- github.com/DrewLickman/Code-Runner

PROFESSIONAL EXPERIENCE

Student Technology Assistant (Team Leader) | MTSU Walker Library

Spring 2022 - Winter 2025

As a Student Technology Assistant (Team Leader), I was responsible for ensuring the smooth operation of computer systems and providing technical support to users. I trained employees and patrons on equipment, software, and network connectivity, and oversaw the maintenance of computer equipment. Additionally, I created updated training instructions and detailed documentation for software programs, contributing to a higher quality understanding and retention of procedures.

- Automated login processes with batch scripts, saving staff time
- Provided technical support and training across various software systems and hardware equipment
- Developed and deployed updated training instructions for employees

SKILLS

- **Languages:** Python, JavaScript, C#, C++, HTML/CSS
- **Frameworks & Libraries:** React, TailwindCSS
- **Tools & Technologies:** Git, Trello, Notion, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), Adobe Creative Suite (Photoshop, Premiere Pro, Illustrator), Ticketing System
- **Specialties:** AI / ML Development, Natural Language Processing, Frontend Development, Desktop App Development, Digital Media Creation, Technical Support, Troubleshooting
- **Soft Skills:** Team leadership, Training & mentoring, Communication, Initiative, Project management, Flexibility, Adaptability, Attention to Detail, Problem-solving