DREW LICKMAN - Software Developer

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SUMMARY

Highly motivated and detail-oriented software developer with a strong foundation in computer science and a passion for innovative technologies. Proficient in a range of programming languages, including Python, JavaScript, and C#. Experienced in developing scalable and efficient software solutions, with a focus on clean code and best practices. Strong understanding of data structures, algorithms, and artificial intelligence. Excellent leadership and problem-solving skills, with the ability to work effectively in team environments and communicate technical concepts to non-technical stakeholders.

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/MagicalMongoose/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/MagicalMongoose/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/MagicalMongoose/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/MagicalMongoose/Code-Runner

PROFESSIONAL EXPERIENCE

Technology Specialist & Team Leader | MTSU Walker Library

2022 - 2025

- Took initiative to write batch scripts to streamline login processes to automate login processes, saving time for library technology staff
- Provided technical support and troubleshooting for students and faculty across various software applications and hardware systems
- Enabled employees and patrons with software installations, network connectivity issues, and account access problems
- Managed and maintained computer equipment including printers, scanners, and multimedia devices
- Developed and deployed updated training instructions for employees, resulting in higher quality understanding and retention of procedures.
- Created detailed documentation for software programs and addressed workplace safety hazards

SKILLS

- **Languages:** Python, JavaScript, C#, C++, HTML/CSS
- **Tools & Technologies:** React, TailwindCSS, Git, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook), Adobe Creative Suite (Photoshop, Premiere Pro, Illustrator)
- **Specialties:** Frontend Development, Natural Language Processing, Desktop App Development, AI / ML Development, Digital Content Creation
- **Leadership:** Team leadership & management, Training and mentoring
- **Problem Solving:** Initiative, Project management, Flexibility
- **Communication:** Precise technical documentation, Adaptability, Attention to Detail