DREW LICKMAN - Software Developer

EDUCATION

Bachelor of Science in Computer Science, Minor in Entrepreneurship
Middle Tennessee State University
GPA: 3.6 | Dean's List 4 times
August 2020 - December 2024

Key Coursework: Natural Language Processing, Compiler Design, 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 stocks' 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

- Authored 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
- Experienced in software and hardware maintenance and repair
- Managed and maintained computer equipment including printers, scanners, and multimedia devices
- Trained to use and teach all Makerspace equipment, such as 3d printers, CNC, laser etcher, etc.
- 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
- Assisted in planning, setting up, and running events in the Library Makerspace

INFO

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MagicalMongoose

TECHNICAL SKILLS

Languages:
Python
JavaScript
C#
C++
HTML/CSS

Tools & Technologies:
React
TailwindCSS
Git
GitHub
Vercel
Unity
Microsoft Word
Microsoft Excel
Microsoft PowerPoint
Microsoft Outlook
Adobe Photoshop
Adobe Premiere Pro
Adobe Illustrator

Specialties:
Frontend Development
Natural Language Processing
Desktop App Development
AI / ML Development
Digital Content Creation

SOFT SKILLS

Leadership:
Team leadership & management
Teaching and mentoring

Problem Solving:
Independent initiative to make improvements
Project management

Communication:
Precise technical documentation
Adaptability
Detail-oriented