

# DREW LICKMAN

## EDUCATION

Bachelor of Science in Computer Science

Minor in Entrepreneurship

Middle Tennessee State University

GPA: 3.63 | 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

## PROFESSIONAL EXPERIENCE

Technology Specialist & Team Leader | MTSU Walker Library

2022 - 2024 (3 years)

- Spearheaded process improvements and developed training materials for new team members
- Authored batch scripts to streamline login processes, saving time for all library technology staff
- Created detailed documentation for software programs and addressed workplace safety hazards

Club Officer & Secretary | MTSU Esports Club

2020 - 2022 (3 years)

- Played key role in rebuilding club organization and maintained detailed records of meetings and files
- Received "Outstanding Student" medal for exceptional contributions to club growth

## PROJECTS

Natural Language Processing: N-Gram Language Model

Fall 2024

- Developed Shakespearean 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](https://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](https://github.com/MagicalMongoose/Code-Runner)

Driving Simulator Data Analysis Web Application

Fall 2023

- Directed team of 6 to develop visualization web app using D3.js
- Implemented data processing algorithms and utilized Agile methodologies
- [github.com/VU-RASL/Vanderbilt-Driving-Simulator](https://github.com/VU-RASL/Vanderbilt-Driving-Simulator)

## INFO

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[github.com/](https://github.com/MagicalMongoose)

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## TECHNICAL SKILLS

Languages:

Python

C#

C++

JavaScript

HTML/CSS

Tools & Technologies:

Microsoft Word

Microsoft Excel

Microsoft PowerPoint

Microsoft Outlook

Adobe Photoshop

Adobe Premiere Pro

Adobe Illustrator

Unity

Git Version Control

Specialties:

AI / ML Development

Natural Language Processing

Software Development

Digital Content Creation

## SOFT SKILLS

Leadership:

Team leadership & management

Teaching and mentoring

Problem Solving:

Independent initiative to make improvements

Critical thinking

Project management

Communication:

Precise documentation

Adaptability

Attention to detail