

DREW LICKMAN

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:

Entrepreneurship, Finance, Management, Marketing, Data Analysis, Software Engineering, Artificial Intelligence, Natural Language Processing, Data Structures & Algorithms

ENTREPRENEURIAL EXPERIENCE

Founder | D8 Knight

January 2024 - Present

- Founded a startup focused on creating immersive mixed reality game experiences, thematic gourmet cuisine, and unique personalized souvenirs.
- Designed and developed interactive experiences that engage users through storytelling and innovative gameplay mechanics.
- Utilized no-code technology to prototype and iterate on game concepts to enhance user engagement and experience.
- Conducted market research to identify trends in immersive entertainment, ensuring alignment with audience interests.
- Contributed to design, development, and all parts of the business, building skills in multiple areas beneficial to any project.
- Managed project timelines and deliverables, breaking down large projects into achievable milestones to maintain focus on the original vision.

PROFESSIONAL EXPERIENCE

Technology Specialist & Team Leader | MTSU Walker Library

2022 - 2025

- Led a team in developing interactive educational tools, enhancing user experience through innovative design and technology.
- Trained team members on emerging technologies and best practices in user engagement and designing artifacts.
- Managed technical support for students and faculty, ensuring seamless access to resources and technology.

Club Officer & Secretary | MTSU Esports Club

2020 - 2022

- Organized and executed online and in-person gaming events, increasing club membership and engagement through strategic initiatives.
- Developed engagement strategies that enhanced member participation and community building.
- Received "Outstanding Student" medal for exceptional contributions to club growth and event success.

PROJECTS

Natural Language Processing: FOMC Analysis

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 a Shakespearean text generator using Python and NLTK library, showcasing technical and creative skills.
- Optimized model performance and accuracy, demonstrating analytical and problem-solving abilities.
- 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

INFO

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github.com/MagicalMongoose

TECHNICAL SKILLS

Languages:

Python
C#
C++
JavaScript
HTML/CSS

Tools & Techs:

Unity
Unreal Engine
Microsoft Word
Microsoft Excel
Microsoft PowerPoint
Adobe Photoshop
Adobe Premiere Pro
Adobe Illustrator
Git Version Control

Specialties:

Immersive Experience Design
Game Design
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