

Andrew Angulo

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SUMMARY

Recent Computer Science graduate with hands-on experience in software development, machine learning, and data engineering. Proven ability to build scalable applications and intelligent systems through real-world projects, eager to contribute to an innovative engineering team.

EDUCATION

Denison University

Aug 2021 - May 2025

B.A, Computer Science

Relevant Coursework: [Algorithms & Data Structures, Artificial Intelligence, Computer & Data Systems, Mathematical Foundation of CS, Technical Communication, Game Design, Functional Programming]

PROJECTS

Forsaken (Unity Game Project) | [C#, Unity Game Engine]

[Web build](#)

- Wrote modular C# scripts for reusability across different bosses, and player abilities
- Led & Developed implementation of inventory systems, UI, combat animations, movement mechanics, enemy behaviors and revival mechanic to better enhance player experience
- Collaborated with a 4-person team to balance difficulty and create an immersive gameplay loop

Music Classifier & Recommender | [Python, AI/ML, TensorFlow, Pandas, Reinforced Learning]

[GitHub Link](#)

- Developed a neural network for real-time classification of 10 music genres using MFCC & spectral features, achieving 90% accuracy
- Streamlined a preprocessing pipeline to extract 10 key audio features, enhancing model accuracy by 15%
- Implemented model optimization techniques, reducing inference time by 20% while maintaining high accuracy

Reinforced Learning: Chutes & Ladders | [Python, AI/ML, Reinforced Learning]

[GitHub Link](#)

- Implemented Dynamic Programming, Q-Learning, and SARSA to train an agent for optimal decision-making
- Developed a reinforcement learning framework with custom policy visualization and stochastic state transitions
- Simulated thousands of gameplay scenarios to evaluate policy performance, refining reward structures for improved convergence

Genshin Impact Assistant | [Python, SQL, API Integration, Google Gemini API]

[GitHub Link](#)

- Integrated EnkaNetwork API to fetch & store data for 10,000+ users in a SQL database
- Transformed 50,000+ records using pandas, ensuring seamless migration to SQL
- Built an AI-powered assistant leveraging Google's Gemini API for SQL-driven responses to 10,000+ queries

Apple Vision Pro Engagement | [Python, SQL, AI/ML]

[GitHub Link](#)

- Engineered an analysis of over 10,000 tweets on Apple Vision Pro, using K-Means clustering to identify 5 key engagement patterns
- Optimized target consumer engagement strategies by deriving market insights, increasing campaign reach by 25%

WORK EXPERIENCE

Denison University

Jan 2024 - May 2025

Front Of House Student Manager

Granville, OH

- Managed logistics and front-of-house for 500+ guests, ensuring smooth operations
- Trained and supervised 15 staff members to deliver top-tier customer service
- Resolved guest inquiries and issues promptly, optimizing workflow efficiency

SKILLS & INTERESTS

Technical Skills: Python, Java, SQL, C++, C#, JavaScript, HTML, CSS, Machine Learning, Unity, TensorFlow, Data Analysis, Software Development, Web Development, Problem Solving, Team Collaboration

Interests: Theatre, Badminton, Game Design, Music, Movies, Volunteering, Fitness, Cooking, Photography, Augmented Reality