

Andrew Angulo

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SUMMARY

Andrew Angulo is a Computer Science student with a strong foundation in data engineering and web development. He has developed projects utilizing machine learning techniques and has experience in managing data-driven solutions. Proficient in Python, Java, SQL, and web technologies, Andrew is focused on creating scalable and accessible web-based solutions that enhance user experience.

EDUCATION

Denison University

B.A, Computer Science

Aug 2021 - May 2025

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

PROJECTS

Music Classifier & Recommender

[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

[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

[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

[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

Front Of House Student Manager

Jan 2024 - May 2025

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

America On Tech

Web Developer

Sep 2020 - May 2021

Queens, NY

- Created a streamlined process, boosting team efficiency by 30% and reducing task completion time by 20%
- Mastered new technologies to enhance website development, achieving a 25% increase in output
- Led a team in solving technical challenges, improving collaboration while developing 20+ websites for simulated business scenarios

SKILLS & INTERESTS

Technical Skills: Python, Java, SQL, JavaScript, HTML, CSS, Machine Learning, Data Analytics, Data Visualization, C++, C#, Unity, TensorFlow, Git, Agile Development

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