Angel M Velasquez

- Portfolio   - angelm.velasquez@proton.me   - LinkedIn   - GitHub

EXPERIENCE

Software Engineer
Tdooz, Utah   *May 2025 - Present*

- Optimized existing React codebases to utilize modern solutions for state and data management while using Tailwind CSS to provide a clean experience for end-users
- Utilize Go with the Gin framework to create new backend endpoints that interacts with a PostgreSQL database and existing microservices to server aggregated data back to the frontend

Software Engineer
Ilico Genetics, Pennsylvania   *October 2024 - May 2025*

- Increased performance of a machine learning batch inference pipeline by 200% by identifying bottlenecks through benchmarking and optimizing model-loading and prediction logic
- Designed and implemented efficient and user-friendly systems such as a data table system for batch edits before sending inputs to machine-learning model

Classroom Technology (CITL) Student Assistant
Lehigh University-LTS, Pennsylvania   *September 2024 - May 2025*

- Contributed to adding admin settings to alter information displayed on the Lehigh TRAC program website
- Wrote and maintained documentation on how to use Git with Unity while teaching workshops about VR/Game development

Code School Instructor
Utah Tech University, Utah   *May 2024 - August 2024*

- Developed and taught a 9-week summer program about modern full-stack web development
- Mentored around 20 students and assisted them with the planning and development of 6 different full-stack web-applications.

Virtual Reality Software Developer
Utah Tech Online, Utah,   *May 2023 - August 2024*

- Developed 17 multiplayer lab experiences using C# and Unity, enhancing the learning experience for Utah Tech students across 2 courses each semester
- Optimized online systems, including a render texture save and sync system, increasing performance by over 200%

EDUCATION

Utah Tech University   St. George, Utah, USA
B.S. in Software Engineering — GPA: 3.91   *Jan 2022 - May 2024*

PROJECTS

Lyric Luminary   **Python, Sklearn, Pandas, Go, Svelte**

- Trained a TF-IDF Naive Bayes classifier on over 3 million songs to classify the genre of song lyrics with over a 90% testing accuracy
- Integrate the model into a native desktop application that uses Svelte as a frontend and Go as backend, powered by Wails
- Use model predictions to recommend similar Spotify songs via the Spotify API and allow users to use Genius song links as inputs to pull song lyrics for prediction

Ultimate Fight Predictor   **Python, Sklearn, NumPy, Pandas, BeautifulSoup**

- Trained a support vector machine on over 3k mixed martial bouts to predict the outcome of a bout
- Created a web scrapper to get data needed to predict bouts
- Created other models using different methods such as voting classification and multilayer perceptron's to compare the performance of different classification methods

TECHNICAL SKILLS

Programming Languages: Python, C++, C#, Java, JavaScript, SQL, Bash, Rust
Libraries and Tools: PyTorch, Sklearn, Pandas, Numpy, TensorFlow, Git, Docker, Tableau, Excel, Linux, React, Express.js