Jiaming Fu (Pierce)

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Education

Texas A&M University — College Station, TX   Expected May 2023

BS in Computer Science, Minor in Statistics | **GPA: 4.0/4.0**

Relevant coursework: Artificial intelligence, Machine Learning, Data structure and algorithms, Programming languages, Design Analysis Algorithms, Computer systems

Skills

Programming languages: Python, C++, SQL, R, Java, JavaScript, HTML/CSS, Haskell
Tools: Git, AWS, Linux, Tensorflow, Scikit-Learn, Pandas, Node.js, Waterfall, Agile, LaTeX

Experience

Brain Computer Interface Team – Texas A&M University   Sep 2021 - Ongoing
- Conducting research on recognizing different brain functions such as movement and emotion through EEG signals with machine learning techniques
- Classified 6 arm motions based on EEG data with Random Forests (Scikit-Learn) and Deep Learning RNN (TensorFlow) with test accuracies 89.53% and 95.13% respectively
- Wrote and presented progress reports to team manager and professors

Teaching Assistant – Texas A&M University   Jan 2021 - May 2021
- Lead recitation labs for a data structures and algorithms course with other teaching staff
- Communicated extensively with students and the professor to answer conceptual questions and resolve grading issues
- Enhanced personal debugging skills by evaluating student programming assignments

Projects

Music Recommendation Web App (Hackathon)
- Pulled and processed music data from Spotify web API using Python Spotipy library
- Created a recommendation model with Scikit-Learn utilizing clustering algorithms to group data samples based on features
- Built an interactive frontend that takes user input using Python Streamlit library

Movie Recommendation Database (Group)
- Utilized Agile development process and facilitated daily scrum meetings
- Sanitized 20k movie data entries to get rid of duplicates and unusable data
- Designed and implemented a movie database using PostgreSQL hosted on AWS
- Built a user-friendly GUI connected to the database using JavaFX platform

Personal website
- Learned HTML, CSS, and JavaScript in a week to create a personal website
- Utilized Bootstrap front-end framework to make website interactive and modernly styled