

Taylor Perry

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EDUCATION

Texas State University

Bachelor of Science, Computer Science

San Marcos, Texas

Aug 2019 - Aug 2021

Relevant Courses: [Algorithm Analysis and Design] · [Advanced Artificial Intelligence] · [Database Theory and Design] · [Linear Algebra] · [Data Structures and algorithms] · [Object oriented programming] · [Distributed Systems]

SKILLS+

Strong: Python, C++, Java, MySQL

Experienced: HTML, CSS, JavaScript, React, AWS, Azure, MS SQL, Mongo DB, Postgre SQL, Apache Nifi, Kafka, Linux, Unix, Git, Jira, Tortoise SVN, Docker, Kubernetes

EXPERIENCE

Physics Dept., Texas State University

Software Engineer

Austin, Texas

June 2021 - August 2021

- Ingested data from disparate sources using a combination of MySQL and Django API using Python and React to create data views to be used in Plotly.
- Created Internal Python library used to parse and reformat data from external vendors reducing the error rate in the data pipeline by 8%.
- Verified that the data was scientifically valid and acted as the last gate before the data is delivered to the open world

Traces of Texas

Data Engineer Intern

Austin, Texas

May 2020 - August 2020

- Built Python-based ETL pipeline to extract data on Luigi-scheduled basis, utilizing Scikit-learn, Pandas, and NumPy.
- Deployed scripts using CI/CD Jenkins pipelines.
- Built a logistic regression model to search for target keywords which resulted in 14% increase in post interactions.

East Side Collective

Studio Manager

Austin, Texas

May 2016 - June 2019

- Implemented deadlines, project goals, expectations and workflows, to ensure a process with on-time delivery.
- Created attractive and effective marketing campaigns for the studio.
- Managed all aspects of the budget for the studio, along with financial tracking and controls.

WORK

[Visual Question Answering](#) [Python] [PyTorch]

- Multi-modal question answering for open-ended questions that integrate deep residual networks for image feature extraction and bidirectional LSTM for natural language feature extraction.

[Mobile Rideshare App](#) [Node.js] [PostgreSQL] [Google API] [TypeScript]

- A fullstack rideshare app built with React Native, PostgreSQL, and TypeScript.

Intelligent Expert System

- Designed and developed an intelligent expert system which can detect various cancers using forward and backward chaining methodologies with the help of C++