

RHED SANTIAGO

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EDUCATION

The University of Texas at Dallas, Richardson, TX May 2024

Bachelor of Science in Computer Science

Relevant Coursework: Project Management, Database Systems, Software Engineering, Computational Methods for Data Scientists, Artificial Intelligence, Advanced Algorithms, Operating Systems, Data Structures, C/C++ Programming in UNIX

Collin College, Plano TX May 2020

Associate of Science in Computer Science

Awards/Honors: Dean's List of Fall 2019, Dean's List of Spring 2019, Dean's List of Fall 2018

TECHNICAL SKILLS

Programming Languages: SQL, Python, JavaScript, HTML, XML CSS, Java, C++, C

Technology and Tools: Git, MS Excel, Diagrams.net, MS Project, Tensorflow, Sci-Kit Learn, SceneBuilder, Unreal Engine, Linux, JCreator, Visual Studio, IntelliJ, VS Code, PyCharm, MySQL, Google Colab, MS PowerPoint, MS Word, Pandas, VEX

PROJECTS

Attendance System – Senior Capstone Project January 2024 – May 2024

Front-End Engineer

- Designed a front-end interface with JavaFX and SceneBuilder that facilitates a user-friendly experience for clients using the desktop side of the application to make it easier to add and remove classes
- Coordinated with back-end team in creating the functionality of translating lists of students and displaying them on the desktop application, to provide a real time status of student attendance
- Critiqued developments in the project during weekly meetings with team members, to ensure that added features are running as expected and within scope

Company Database – Database Systems Project August 2022 – December 2022

Database Administrator

- Drafted schematics of the Enhanced Entity Relationship (EER) diagram, serving as the blueprint for the database
- Developed the database schema, using information extrapolated from the EER diagram to create 17 relations
- Collaborated with my two other teammates to codify the schema into SQL tables after database normalization

Machine Learning Using Trees – Machine Learning Project October 2023 – November 2023

Machine Learning Engineer

- Implemented Random Forest, Adaboost, Decision Trees, and XGBoost to predict mpg for a given dataset
- Created algorithms using Sci-Kit Learn documentation, to learn and apply concepts from Machine Learning
- Optimized our model by testing values through trial and error, to get an R squared value of 0.71

WORK EXPERIENCE

ICode, Frisco, TX | *Technical Lead* September 2023 – June 2024

- Taught a group of five students to create and design video game worlds, utilizing SketchFab and Unreal Engine 5
- Trained three recruits by having them shadow during my lecture, where I demonstrated how to manage a class

Starship Technologies, Richardson, TX | *Robotic Customer Experience Associate* January 2022 – May 2022

- Troubleshoot technology and software that merchants we worked with operated, to maintain smooth operations
- Oversaw Starship robot activities, managing a fleet of 26 delivery bots, to ensure customer needs are satisfied