

Joseph Angeles

| (832)-792-7898 | joeangeles@comcast.net | [LinkedIn](#)

EDUCATION

- **University of Texas at Austin — *Austin, TX***
Bachelor of Science, Computer Science | *Aug 2020 – May 2024*
 - **Relevant Coursework:** Data Structures, Computer Architecture, Operating Systems, Algorithms and Complexity
- **Aldine Senior High School — *Houston, TX***
Magna Cum Laude | *Aug 2016 – May 2020*

WORK EXPERIENCE

Baylor College of Medicine — *Houston, TX*
Student Helper | *June 2022 – August 2022*

- Collaborated with a team of engineers to resolve mechanical failures and provide general maintenance and upkeep of the Baylor campus.

PROJECTS

PintOS (Toy Operating System)

- Developed a toy operating system with key features such as priority scheduling, system calls for user programs, virtual memory paging, multithreading, and a multi-level indexed file system.
- Collaborated with a team of 3 to design and implement the system, documenting design decisions throughout the semester.

Machine Learning Final Project

- Utilized Python and Google Colab to clean, explore, and engineer features using the Pandas library.
- Developed and trained multiple machine learning models on a dataset of 5,000 entries to predict hotel booking cancellations, optimizing model performance with hyperparameter tuning.
- Worked in a team of 4 to deliver the final project.

Constructive Solid Geometry (CSG)

- Developed a project simulating Constructive Solid Geometry using ray marching and collision detection with Signed-Distance functions.
- Implemented features to move the camera, alter scene shapes, and adjust Boolean functions in the simulation.
- Collaborated with one team member to deliver the project. [\[Link\]](#)

SKILLS

- **Languages:** Java, Python, C++, C (1+ years)
 - **Tools & Technologies:** Git (2+ years), CI, Unit Testing
 - **Soft Skills:** Quick learner, strong team collaborator, open to constructive critique
-

INTERESTS

- Technology innovation, problem-solving, collaborative software development