James Cuaderes

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EDUCATION

Texas A&M University, College Station, TX	May 2022
Bachelor of Science in Computer Engineering	GPA: 4.0
Enrolled in the Engineering Honors Program (~10% of engineering students)	
Jesuit College Prep., Dallas, TX	May 2018
Graduated with honors	GPA: 4.0

SKILLS

Languages: Proficient in Python, Java, C++, LaTeX; Some knowledge in HTML5, CSS3, JavaScript
Other: Proficient in Word, Excel, PowerPoint, etc.

PROJECTS

Tutorr
- Produced a web application utilizing Django, CSS3, and HTML designed to be a decentralized hub for tutors and students to schedule tutoring sessions
- Created this project at TAMUHack, a hackathon sponsored by Major League Hacking

AI Snake
- Developed, as a team, a deep learning algorithm that can play the game Snake.
- Utilizes python and TensorFlow to develop the algorithm

Personal Website: *jamescuaderes.github.io*
- Assembled a basic personal website for myself using HTML5, CSS3, and JavaScript
- Still a work in progress

AI Tic-Tac-Toe
- Developed a machine learning algorithm that learned to play the game Tic-Tac-Toe against a human
- Utilizes python, Scikit-Learn, and a decision tree classifier to develop the algorithm

ORGANIZATIONS

Aggie Coding Club
- A student organization devoted to developing programming skills
- Teaches members the importance of teamwork and communication through group projects

MSC Aggie Leaders of Tomorrow
- A Freshman Leadership Organization (FLO) on campus devoted to molding young freshman into involved student leaders
- Entry to this organization is competitive, requiring an extended application and interview process

RESEARCH

Deep Learning for Non-Volatile Memories
- Ongoing research project under the supervision of Prof. Anxiao (Andrew) Jiang that utilizes deep learning neural networks to attempt to improve data storage techniques

HONORS/ACHIEVMENTS

National AP Scholar- Award given to high school students that score a 4 or higher on 8 or more AP exams (2018)
Haggerty Math/Science Award- A $1500 scholarship at my high school given to students that exhibit outstanding leadership skills in math, science, and community service (2015, 2017)