

## James Cuaderes

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### EDUCATION

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**Texas A&M University**, College Station, TX  
Bachelor of Science in Computer Engineering  
**Jesuit College Prep.**, Dallas, TX  
Graduated with honors

May 2022  
GPA: 4.0  
May 2018  
GPA: 4.0

### SKILLS

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**Languages:** Proficient in Python, Java, C++, LaTeX; Some knowledge in HTML5, CSS3, JavaScript

**Other:** Proficient in Word, Excel, PowerPoint, etc.

### PROJECTS

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#### AI Snake

- A team-based project that attempts to develop a machine learning based algorithm that can play the game Snake.
- Utilizes python and TensorFlow to develop the algorithm

**Personal Website:** *jamescuaderes.github.io*

- A personal website I developed myself using HTML5, CSS3, and JavaScript
- Still a work in progress

#### AI Tic-Tac-Toe

- A project that I developed entirely by myself in which a machine learning algorithm learns to play the game Tic-Tac-Toe against a human
- This project utilizes python, Scikit-Learn, and a decision tree classifier to develop the algorithm

### ORGANIZATIONS

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#### 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

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#### 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/ACHIEVEMENTS

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**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 scholarship at my high school given to students that exhibit outstanding leadership skills in math, science, and community service (2015, 2017)