James Cuaderes

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EDUCATION

Texas A&M University, College Station, TX   **May 2022**
Bachelor of Science in Computer Engineering   **GPA: 4.0/4.0**
Enrolled in the Engineering Honors Program (~10% of engineering students)

SKILLS

Languages: Proficient in Python, Java, C++, LaTeX; Some knowledge in HTML5, CSS3, JavaScript
Tools/Frameworks: ReactJS/Redux, Spring MVC
Other: Proficient in Microsoft Office Suite

WORK EXPERIENCE

Software Development Engineer Intern (AFE) - Amazon   Seattle, WA – Summer 2019
- Worked with the Vendor Selection team to develop a full stack project that utilizes Java, Spring MVC, ReactJS, and Redux to provide a user-friendly interface to query numerous APIs
- Developed and deployed two web pages that aid the continuous buying team in the purchasing of ~$100,000,000 worth of goods on a weekly basis
- This Amazon Future Engineers (AFE) program selects only 100 freshmen and sophomore students from all across North America; it requires a competitive, technical application and interview process

PROJECTS

Personal Website: *jamescuaderes.github.io*
- Assembled a basic personal website for myself using HTML5, CSS3, and JavaScript
- Outlines the relevant courses I have taken and my general career interests

AI Tic-Tac-Toe
- Developed deep learning and machine learning algorithms that learned to play the game Tic-Tac-Toe against a human
- Utilizes python, TensorFlow/Keras, Scikit-Learn, a deeply connected neural network, and a decision tree classifier to develop the algorithms

AI Snake
- Developed, as a team, a deep learning algorithm with TensorFlow that can play the game Snake.

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

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

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)