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)

Completed Coursework: Data Structures and Algorithms, Discrete Mathematics, Digital Design, Circuit Theory, Statistics/Probability, Linear Algebra, Differential Equations, Multivariable Calculus
In-Progress Coursework: Computer Systems, Computer Architecture, Electronics, Signals and Systems

EXPERIENCE

Amazon   **May – Aug 2020**
Software Development Engineer Intern   Virtual due to COVID-19
- Joined the Amazon ReCommerce organization, a team dedicated to efficiently handling millions of damaged or returned items from the Amazon store
- Designed and implemented a new inventory ingestion workflow to onboard Amazon FBA clients
- Utilizes various cloud native AWS tools such as Lambda and Step Functions to deliver dynamic, scalable solutions to real-world inventory management problems

Amazon   **May – Aug 2019**
Software Development Engineer Intern (AFE)   Seattle, WA
- 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
- The Amazon Future Engineers (AFE) program selects only 100 freshmen and sophomore students from all across North America
- Gained experience working in a large-scale, agile development environment; sprint-planning meetings and design reviews for projects were commonplace

PROJECTS

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

AI Tic-Tac-Toe
- Implemented a system of adversarial deep learning neural networks to learn to play the game of Tic-Tac-Toe completely from scratch
- Neural networks were capable of creating their own training data and learning from past mistakes made in previous games, ultimately allowing the network to improve over time
- Utilizes Python and TensorFlow to implement the adversarial networks that engaged in self play to generate new training data

SKILLS

Languages: Python, Java, C++, JavaScript, HTML5, CSS3, LaTeX
Tools/Frameworks: ReactJS/Redux, Dagger, Spring Boot

HONORS AND 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)