




EFRAIN RETANA

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EDUCATION

Bachelor of Science in Computer Science

The University of Texas at El Paso (UTEP)

Undertaking fifth semester of coursework: 41 credit hours

Eastwood High School – El Paso, Texas

Top 10% of 2018 class

Honors and Activities:

UTEP's Engineering Dean's list

Whataburger Scholarship Recipient

Society of Hispanic Professional Engineers

VEX Robotics 3D Game Design World Champion

Anticipated: May 2022

Current GPA: 3.92

Graduated: June 2018

GPA: 96/100

2018 - Current

2018-Current

Jan. 2018 - June 2018

March 2017

SKILLS

- Bilingual in English and Spanish.
- Proficient in **Java** and **Python**, basic knowledge in **HTML**.
- Experience in management and Customer Service
- Competent in Microsoft software such as Word, PowerPoint, and Excel.
- Developed social skills, presentation skills and customer experience

Current Course:

CS 2302 Data Structures

EXPERIENCES

Computer Science Hackathon (Java)

April 2019

- Competed in a coding competition of around 100 students, with my team of 2 being amongst top 10.
- Applied problem-solving skills to given problems while using coding knowledge on Java language.
- Worked under time constraints to complete the fastest and working solutions.

Solar Astronomy through Computer Vision (Python)

February 2020

- Analyzed solar images and processed data to obtain brightest region/pixel utilizing code optimization and focusing on time complexity + run time of code.
- Gained advanced knowledge of python functions and in-depth problem analysis strategies to aid in the analysis of solar brightness and correlated solar phenomena.

Computer Science Asteroid Game Project (Java)

October 2018 – Dec. 2018

- Produced an asteroid shooter game while implementing knowledge of java coding language.
- Worked with a team of 2 to combine ideas on how to optimize game and improve gameplay.
- Presented project to other computer science groups and reevaluated different solutions.

Whataburger - Customer Service - Team Leader

May 2017 - Present

- Produced over 500 daily orders to satisfy a customer's desire, while being flexible to everyone's comments and providing speed of service along with quality food.
- Managed over \$1,000 in transactions, along with returns, combined orders, and register totals.
- Trained new employees, organized new food supplies, and learned to economize material to increase store profits.

RELEVANT ACTIVITIES

Cracking the Coding Interview/Team member

Spring 2019 - Current

- Incorporated problem-solving Techniques (such as pseudocode, thinking out loud, dissecting the problem) to different problems in order to improve idea fluency at technical interviews.
- Presented and explained solutions to problems to lower-higher student classification

VEX Robotics / CAD captain – Programmer

Spring 2018

- Contributed to the creation of robot autonomous code using ROBOTC (C-related language)
- Developed code to allow robot to be controlled by a remote while being accurate.