

Rafael A. Espinoza

425 San Blas Dr., El Paso, TX 79912 • 915-222-9927 • espinorb@bc.edu

EDUCATION

Boston College

Bachelor of Science in Computer Science & Mathematics

Relevant Courses: Multivariable Calculus, Computational Complexity, Randomness and Computation

Boston, MA

August 2020 – Present

Current GPA: 3.25

EXPERIENCE

Mathematical and Computer Experience

Mathematical Skills

- Thorough experience with applications of integration, series, and differential equations
- Experience with statistical analysis (two-variable data, probability, exploratory analysis, and probability)

Computer Experience

- Wrote programs utilizing different sorts of algorithms such as lists, stacks, queues, and trees using Java and Python in both Computer Science I and II.
- Programmed robots, including motors and sensors, using C++ in the Coronado High School's Robotics Club.
- Used basic HTML code to improve WordPress websites.
- Have experience with AutoCAD for two-dimensional production processes and product designs.

Advanced Paperworks Inc

Design Engineer Intern

El Paso, TX

June 2021 – September 2021

- Collaborated with engineers to update and improve production designs using AutoCAD. This included studying several processes that our Mark Andy machines would perform and modifying instructions to be more straightforward and efficient for the machine operators.
- Utilized Microsoft Access to help manage linked forms between the network of computers. The forms included were associated with inventory, quality control, and part management.
- Constructed a website using WordPress and basic HTML code for API's sister company, Boa Fang.

Golden Corral

Server

El Paso, TX

August 2019 – February 2020

- Worked as a busboy and server for up to 20 tables.
- Oversaw my own section of the restaurant including restocking, cleaning the area, and refilling drink stations.
- The position as a server gave me experience in multitasking and interacting with customers. Working together with other servers was very important to getting to close early, showing the value of teamwork for me.

Bobo's Entertainment Company

Crew Member

El Paso, TX

October 2018 – August 2019

- As a versatile employee, I was trained for multiple positions around the business. I took care of both front end and back-end positions such as working the register, laser tag games, kitchen, and outside attractions.
- Because of limited staff, I took responsibility during weekdays for the outside attractions. I would have to take leadership and handle dissatisfied customers on my own. I gained experience on how to respectfully deal with disagreements in a customer-employee scenario.

ACTIVITIES

Computer Science Society (Boston, MA)

Marketing Team Member and Sponsorship Coordinator

Fall 2021 – Present

- Designed event adverts for our social media pages targeted to reach more of the student body.
- Contacted potential sponsors from BC alumni network and connections via the BC Career Center.
- Connected confirmed sponsors with other club officials to take the next steps.

Coronado Robotics Club (El Paso, TX)

Fall 2018 – Spring 2020

- Built several robots with different capabilities suited for yearly challenges such as 2018 where the robot had to be able to collect moving objects from a body of water under it with a robotic claw.
- Programmed robots in C++ to move according to user input and with an emphasis on adaptability for the different conditions set for the Las Cruces Robotics Competition.
- Lead our yearly Robotics Applications project where we present a new and upcoming application of technology to solve a day-to-day problem, such as a car's mileage, pollution, etc.

SKILLS & INTERESTS

Programming Languages: Python (proficient), Java (intermediate), C++ (intermediate), HTML (beginner)

Skills: Native Spanish Speaker, Adept with Video-Editing Software

Interests: Tennis, Fishing, and Art