

Rafael A. Espinoza

espinorb@bc.edu • respin5757.github.io/personal-website/

EDUCATION

Boston College

Bachelor of Science in Computer Science & Minor in Mathematics

Relevant Courses: Multivariable Calculus, Computer Vision, Randomness and Computation

Boston, MA

August 2020 – Present

EXPERIENCE

Mathematical and Computer Experience

Mathematical Skills

- Thorough experience with applications of integration, series, and differential equations
- Experience with statistical analysis (two-variable data, 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.
- Applied Verilog and C code in Computer Systems and Organization.
- Programmed robots, including motors and sensors, using C++ in the Coronado High School's Robotics Club.
- Used HTML and CSS to develop personal and company websites.

Advanced Paperworks Inc

Design Engineer Intern

El Paso, TX

June 2021 – August 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 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 light CSS and HTML code.

Boston College Law School

Audio Visual Technician

Boston, MA

August 2022 – Present

- Setup and dismantled audio and visual equipment for our law school events.
- Solved technology issues by troubleshooting computer, projector, and speaker systems.
- Communicated and delegated hardware and maintenance requests to corresponding departments.

Crave Kitchen & Bar

Server

El Paso, TX

June 2022 – August 2022

- Seated and served guests, took orders, and removed dinnerware with practiced pacing.
- Managed orders and accompanying transactions using digital Point of Sale system.

ACTIVITIES

Computer Science Society (Boston, MA)

Fall 2021 – Present

Marketing Team Member and Sponsorship Coordinator

- 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 competitions.

SKILLS & INTERESTS

Programming Languages: Python, C, Java, HTML & CSS

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

Interests: Fishing, Weightlifting and Art