

Carlos Cabada

Ccabada2@miners.utep.edu | (915)706-6745



GitHub



Linked In

EDUCATION

The University of Texas at El Paso (UTEP)

Bachelor of Science in Computer Science

Expected Graduation Date: May 2021

Overall GPA: **2.90/4.00**

Program GPA: **2.84/4.00**

PROFESSIONAL EXPERIENCE

UTEP Enterprise Computing (IT)

Quality Assurance Engineer

February 2019 – Present

- Responsible for testing custom applications to mitigate risks and communicates results to technical and non-technical colleagues.
- Provided technical assistance in troubleshooting and correcting performance problems; responded to inquiries regarding errors, problems, or questions.
- Responsible for black box testing web applications. This includes functionality, Cross-Browser, layout, authentication, authorization, front end validation and back end validation.

UTEP College of Engineering – K-12 Outreach

ExciTES Summer Institute Coordinator

May 2018 – August 2018

- Planned and executed successfully, with a budget in mind, 1-week different engineering curriculums for 3rd-5th, 6th-8th, 9th- 11th graders.
- Created and Reviewed the schedule for ExciTES 2018.
- Worked with 13 ExciTES interns, and delegated modules to be exposed to students.

UTEP College of Engineering – K-12 Outreach

Engineering Ambassador

January 2018 – August 2018

- Gave tours of the College of Engineering to groups of 10-15 students and exposed them to career options.
- Successfully planned and carried out a budget for Spring 2018.
- Consistently updated and recorded new equipment on an inventory log.

TECHNICAL EXPERIENCE

Java

- Natural Language Processing (NLP) – Developed an algorithm that sorts a database of 400,000 words using their similarity embeddings.
- Expanded the NLP algorithm to cluster similar words using a disjoint set forest and heap, given n unions and m words per set.
- Unofficial PC Part Picker application used Jsoup to gather information on products from the actual website.
- JavaFX Application, Price Finder, used MVC model, saves an item's details and calculates the price change percentage.

Python 3

- Developed an application that uses the Sha256 hashing algorithm and uses brute force to find passwords from a given text file with usernames, salt values, and hashed values.
- Developed an application that automates the process of looking up users in a video game leaderboard (Fortnite, PUBG).
- Developed an application that uses the Open-CV to detect faces and then sort them in folders for each person.
- Developed an application that uses the Open-CV and generates a "greenscreen" around the object.

PHP

- Developed a system for a supermarket, in which user inputs name and PLU for every shipment, adding onto the store's inventory list.

MySQL

- Developed a minimalistic database from scratch and implemented simple commands to create several tables to store information.

VOLUNTEERING AND LEADERSHIP EXPERIENCE

BETO FOR TEXAS- Political Campaign

Block Walk/Phone Banking

October 2018 – December 2018

- For 12 hours, Called and reached out to many El Pasoans, reminded them about the importance to vote.
- Kept record of every call made, and response of each citizen, to optimize the records of the phone bank

SKILLS

- Proficient Python3, Java, JavaFX, Java FXML, HTML, CSS, Microsoft SQL Server
 - Working knowledge of PHP, C, Bash, Prolog, Haskell, Verilog, VHDL, Xilinx ISE, Selenium.
 - Learning C#, .Net.
 - Strong documentation skills.
 - Strong communication skills.
 - Bilingual in Spanish and English (Verbal and Written).
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