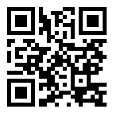
****GitHub



Linked In

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**Carlos Cabada**

**EDUCATION**

**The University of Texas at El Paso (UTEP)** Overall GPA: **2.90/4.00**

*Bachelor of Science in Computer Science* Program GPA: **2.84/4.00**

Expected Graduation Date: May 2021

**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.

**C**

•Developed a user shell for a Unix operating system. It mimicked some of the behaviors of the bash shell.

•Developed a snake like LCD game for the MSP430. I used several libraries like timerLib, p2SwLib, lcdLib, and shapeLib.

•Developed a Tokenizer that had a history function that would store previously tokenized strings.

**PHP**

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

• As a team, classmates and I, developed a system for a CAHSI, in which user Administrators and Advocates were able to create reports of students’ demographics. We used MySQL to store data, and PHP for the backend of the application.

**MySQL**

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

**SKILLS**

• Proficient Python3, Java, JavaFX, Java FXML, HTML, CSS, SQL, C

• Working knowledge of PHP, 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).