

Diana Ramirez

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Education

MASTER OF SCIENCE IN SOFTWARE ENGINEERING | SPRING 2021 | THE UNIVERSITY OF TEXAS AT EL PASO (UTEP)

- Concentration: Secure Cyber-Systems
- CyberCorps: Scholarship For Service Recipient 08/2019 - Present

Overall GPA: 3.50

BACHELOR OF BIOLOGICAL SCIENCES | FALL 2017 | UTEP

- Concentration: Biomedical
- Honors: *Cum Laude*

Overall GPA: 3.57

Skills & Abilities

PROGRAMMING

- Familiar with HTML and CSS.
- Working knowledge of Java and PHP Programming languages
- Basic knowledge of Python Programming language

LEADERSHIP

- University Medical Center: Volunteer of the Year 2019 Award recipient.
- Responsible for the creation of improvement sheets detailing the progress and successes of selected students at EPISD, as well as mentoring students to pursue obtaining a higher education degree
- Provide weekly presentations for peers to explain basic concepts of data structures and algorithms for CS 2401 students at UTEP

Experience

RESEARCH ASSISTANT| DEVCOM ARMY RESEARCH LABORATORY | 06/2019 TO PRESENT

- Developed a MySQL and web vulnerabilities workshop under the tutelage of Dr. Salamah and Dr. Acosta. The workshop presents a vulnerable website that participants are able to exploit using penetration testing tools such as sqlmap and Hydra. The workshop aims to provide participants with insights in the importance of security both in websites and MySQL databases against possible attacks such as XSS, SQL Injection and Brute Force.

PEER LEADER| UTEP COMPUTER SCIENCE DEPARTMENT AND CAHSI | 09/2018 TO 12/2018

- Provide peer mentoring and guidance to other Computer Science students at UTEP.
- Assist at CS 2401 laboratories with presentations and activities to enforce concepts covered in lecture.

ICU VOLUNTEER ASSISTANT| UNIVERSITY MEDICAL CENTER EL PASO | 08/2018 TO PRESENT

- Assist medical center staff with patient care at the Intensive Care Unit.

CSTECH TEAM |UTEP COMPUTER SCIENCE DEPARTMENT| 06/2018 TO 08/2018

- Review IT network information to gain insight into areas of potential improvement.
- Reimaged computers in lab using NFS server/client set up.
- Upgraded hardware on PC's and their Drives.
- Cable management and rearranging the labs with over 30 PCs.
- Communicated with interior employees to resolve computer issues (problems to log in, unlock accounts, problems with the software, etc.)
- Maintain professional demeanor and attitude.

RESEARCH ASSISTANT | CYBERSHARE ILINK |**07/2018 TO 08/2018**

- Contributed to Sustainable Water Management project founded by the USDA. This project aimed to predict water availability and use in the Middle Rio Grande Valley.
- Edited HTML and CSS of project's website to improve user experience and navigation

AVID TUTOR | EPISD |**02/2016 TO 05/2019**

- Provide help and guidance to low-income area middle school students in their classes and future career choices