**Daniel Alejandro Rivera Estrada**

El Paso, TX

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**EDUCATION**

The University of Texas at El Paso (UTEP) - El Paso, Texas Dec 2022

Bachelor’s Degree in Computer Science, GPA 3.56

El Paso Community College (EPCC) - El Paso, Texas May 2019

Associate of Arts in Computer Science

Technological Institute of Ciudad Juarez (ITCJ) – Ciudad Juarez, Chihuahua Dec 2017

Computer Systems Engineering

**PROJECTS**

*Point of sale website for a restaurant*

* *Created and modeled HTML pages for each section of the website*
* *Connected the website to Google Firebase for the storage and retrieval of documents*
* *Utilized JavaScript to add functionality to the HTML pages*
* *Hosted the website on Firebase*

*Omok Videogame Web Client*

* *Utilized PHP to make requests to a server, process them and reflect them on a provided interface*
* *Programmed the logic responses of the game based on user’s input*

*Animations and Songs for Micro Controller MSP-430*

* *Used C and the MSP430 libraries to program buttons into triggering animations and songs upon being pressed.*

*Exploit a Documented Vulnerability*

* Created a client program and a server program that would connect by using sockets
* Created a key logger on Python to take advantage of Git 2.12 documented exploit.

*Created a CRUD Application for a Social Media Service*

* Created the DAO, service, model and controller layers for the retrieval of user information such as messages or account information from a database.
* Utilized Javalin, SQL and JSON to create http requests for the retrieval of user information from a database.

*Participated in Cybersecurity Hackathon*

* Utilized teamwork and problem-solving skills to solve problems and obtain points.
* Used skills in password-cracking, reverse engineering, sql injection and network traffic analysis to solve challenges

**SKILLS & ABILITIES**

Languages: Java, Python, Dart, SQL, C++, C#, HTML, PHP, JavaScript, Assembly, C, Haskell

Tools: IdaPro, Ghidra, Wireshark, Git, VirtualBox, VMware, Cygwin, Emacs, IntelliJ, NetBeans, Eclipse, Visual Studio Code, Visual Studio 2019, PyCharm, React, Node, Express, MongoDB, MySQL, XAMPP, Google Firestore.

**RELEVANT COURSEWORK**

- Computer Architecture - Computer Security

- Design Implementation Programming Languages - Software Reverse Engineering

- Software Engineering: Design & Implementation - Software Vulnerabilities

- Parallel Computing - Theory of Operating Systems

CONVENTIONS & EVENTS -Great Minds in STEM 2022 -Society of Hispanic Professional Engineers 2023

-Cybersecurity Hackathon UTEP Apr 2024