

# Fernando H. Remes

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## EDUCATION

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### The University of Texas at El Paso (UTEP)

Bachelor of Science in Computer Science

December 2024  
GPA: 3.71/4.00

- Concentration in Secure Cyber Systems
- Minor in Mathematics

### El Paso Community College (EPCC)

Associates of Arts Degree in Computer Science

July 2022

## CERTIFICATIONS & ACHIEVEMENTS

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### Certifications

- AWS Cloud Support Associate Professional Certificate
- Google Cybersecurity Certificate
- Google IT Support Professional Certificate

### Achievements

- First Place [Hackathon/Capture the Flag], November 2024.
- First Place [FBLA Competition - Website Design], February 2020.

## RELATED PROJECT EXPERIENCE

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### INFILTR8 – Capstone Project – Team Leader – 2024

- A yearlong industry-sponsored project with DEVCOM (U.S. Army Combat Capabilities Development Command) to build a Full-Stack Web Reconnaissance Analysis Tool.
- Led a team using Agile methodology to incorporate importing recon files, filter into a table in order of security vulnerabilities, and export as a PDF or Excel file, while containing a user-friendly interface.
- Directed team roles, role responsibilities, and ensured project milestones were achieved within the deadlines.
- Developed in Svelte, Python, & Neo4J

### Fallen Empire – Course Project – Team Co-Leader – Spring 2024

- Simulated a Command & Control (C2) system using PowerShell-Empire, a post-exploitation agent, with Windows PowerShell. Using Kali Linux to create an attack script on vulnerable Operating Systems. Our research led us to learn how attackers infect OS and how Empire detects the virus.
- Developed and facilitated an in-class exercise that allowed students to replicate the simulation.
- Presented project through an engaging PowerPoint presentation and video format.

### Ticketminer [Ticketmaster Clone] – Course Project – Design Lead – Fall 2023

- Ticketminer, a Ticketmaster-inspired application, allowed a user to sign in and log in to "purchase" tickets for various events and view an invoice confirming their "purchase", and allowed admins to "create" events with valid upcoming date and time for the users, cancel events, and refund users from events.
- Led the design of a user-friendly terminal interface, ensuring intuitive navigation and feature accessibility.
- Developed in Java & Terminal environment

### PyTorch Digit Recognition – Personal Project – Summer 2024

- Demonstrating the process of training and evaluating a machine learning model.
- Trained a model on a dataset of handwritten digits and evaluated its performance, achieving accurate digit recognition by retrieving predictions from a selected index.

## SKILLS

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**Programming Languages:** Java, Python, C/C++, HTML, CSS, JavaScript, Scala, x86 Assembly, & Markdown

**Frameworks & Databases:** ReactJS, Svelte, PyTorch, MySQL, NoSQL, & Neo4J

**Operating Systems:** Windows 10/11, Linux, Ubuntu, & Kali Linux

**Networking & Security:** Wireshark, DNS, TCP/IP, & Networking/Subnetting

**CyberSecurity Tools:** PowerShell Empire, IDA Pro, Ghidra, & DShell