Ivan Armenta

📞 +1 (575) 915-5602 ✉ iarmenta@miners.utep.edu
in linkedin.com/in/iarmenta ○ github.com/armenta-i

Education

The University of Texas at El Paso	**Expected Graduation: Dec 2025**
Bachelor of Science in Computer Science	GPA: 4.0/4.0
El Paso Community College	**Jun 2020 - May 2022**
Associate of Arts in Computer Science	GPA: 3.9/4.0

Technical Skills

Languages: Java, Python, HTML5, CSS, JavaScript, C

Developer Tools: Git, Visual Studio Code, Bash, GitHub, VMware

Experience

Hiller Measurements — **Dec 2023 - May 2024**
Software Engineer Intern — *El Paso, Texas*

- Designed **Proteus ATE** application from initial design through the completion before release of version **1.0**, streamlining the design process resulting in a reduction from initial design of a Rack system from **6+** months to **4** weeks.
- Implemented **3** micro-services using **Python** and **REST APIs** to manage front-end data to be stored in a SQL database. These micro-services performed critical calculation to ensure precise equipment placement on the test rack, optimizing placement and preventing overheating.
- Developed a **real-time 3D rendering** of the test rack using **Three.js**, following the completion of the creation process and import of the render from NXopen.

Novamex — **May 2023 - August 2023**
IT Intern — *El Paso, Texas*

- Optimized inventory management for the IT department by meticulously tracking and documenting all technological tools, peripherals, and software licenses used by over **100** employees company-wide.
- Delivered support to over **50** employees across external transportation warehouses, ensuring seamless operations on a timely manner.
- Improved the ticketing system within the IT department, resulting in a **10%** increase in ticket resolution efficiency and a reduction in technical downtime by **5** minutes.

Projects

SmartSMS | Source Code — *Python | Twilio*

- Coded a script to send daily SMS messages containing weather updates, traffic information for the daily drive between two locations.
- Ensured correct data retrieval by using **Weather API, Google Maps API, and ZenQuotes API** to obtain accurate real time data and utilized **Twilio API** to send personalized messaged to a personal phone.

Sketch Pad | Website | Source Code — *HTML | CSS | JavaScript*

- Developed a sketch pad application using **HTML, CSS, and JavaScript**, allowing users to draw on a with customizable colors, including a random color mode, and an adjustable grid size.
- Enhanced user experience by implementing features such as grid resizing and reset functionality, while improving skills in **DOM manipulation**, and **event handling**

Certifications

AI4ALL Discover AI — **2023**

- Acquired expertise in AI and Machine Learning libraries to develop a data prediction project, with an end goal to predict information over the next **5** years, enhancing analytical insights.