

Imani C. Martin

DATA SCIENTIST | ANALYST | ENGINEER

[✉ imanicaza@gmail.com](mailto:imanicaza@gmail.com) | [🌐 imaniaza.tech](http://imaniaza.tech) | [🔗 imanisima](https://www.linkedin.com/in/imanisima) | [🔗 imanisima](https://www.instagram.com/imanisima)



Education

University of Texas at El Paso (UTEP)

B.S. IN COMPUTER SCIENCE, DATA ANALYTICS CONCENTRATION, MATHEMATICS MINOR

El Paso, TX

December 2020

Skills

Programming Python, Java, R, Numpy, Scikit-Learn, Pandas

Deploy Tools AWS, Git, Gitlab

Query Tools SQL, Hadoop, HIVE

Analytical Tools Tableau, Microsoft PowerBI, Jupyter Lab, Domino

Professional Experience

USAA

DATA SCIENTIST II | FRAUD & FINANCIAL CRIMES BANKING

San Antonio, TX

Jan. 2020 - PRESENT

- Develop rules and fraud solutions for third defense against cyber fraud using **Python** and **HIVE**.

Led coding sessions once a week to support team members in maintaining coding skills and coding foundations.

Responsible for managing interns and choosing the next generation of talent within USAA's data science department.

UTEP

DEPARTMENTAL WEBMASTER | OFFICE OF RESEARCH AND SPONSORED PROJECTS (ORSP)

El Paso, TX

Oct. 2019 - Dec. 2020

- Maintain web content for ORSP departmental websites using **Cascade**.

Rebrand, update, and develop both database-driven websites and **SQL** database applications.

Document features, technical specs, manuals for applications and projects.

Manage projects and develop websites for clients.

USAA

San Antonio, TX

DATA ANALYST INTERN | FRAUD & FINANCIAL CRIMES BANKING

May. 2020 - July. 2020

- Designed and developed an autoregression model from **SAS** to **Python** to detect and alert on synthetic-identified members, increasing speed, flexibility, and maintainability using **Python**, **Hadoop**, and **HIVE**.

Microsoft Corporation

Redmond, WA

May. 2019 - Aug. 2019

SOFTWARE ENGINEER INTERN | EXCHANGE ACTIVE DIRECTORY

- Developed a distributed cache framework API within Exchange Online's infrastructure using **C#** and **Redis** to increase cache hit rate consistency.

ARL South CyberRIG

El Paso, TX

UNDERGRADUATE RESEARCH ASSISTANT | CYBER SECURITY

Aug. 2018 - May. 2019

- Prepared cyber security workshops and hackathons for UTEP students.

Specialized in studying cyber tools for capturing and analyzing data to predict attacks using **Kali Linux**, **Wireshark**, and **Python**.

Microsoft Corporation

Redmond, WA

May. 2018 - Aug. 2018

EXPLORE PROGRAM INTERN | UNIVERSAL STORE

- Designed and implemented a frontend case management sample portal for Microsoft's MSaaS system using **Angular 6**, **TypeScript**, and **SASS**. Customers can easily submit tickets when they encounter a problem with a Microsoft product.

Projects

Customer Churn Prediction Model

LEAD DATA SCIENTIST

- Designed and implemented prediction model using **XGBoost** that predicts when a customer of a bakery is at risk of churning.
- Deployed model on the web using **AWS Lambda** API.
- Technologies Used: **Python**, **AWS Lambda**, **AWS Sagemaker**, **AWS S3**

Manual Transmission Tracker

LEAD DATA ANALYST

- Designed and developed an interactive web application that scrapes the Ancira dealership websites and sends a notification when a new manual transmission car is added.
- Created **web-scraper** that extracts car listing data from the Ancira websites and **exports custom dataset** as a CSV.
- Technologies Used: **Python, BeautifulSoup, SQLite, Django, React**

Cyber Vulnerability Task Manager Application

LEAD SYSTEM ARCHITECT

- Designed and implemented a custom web application that documents critical vulnerabilities and mitigations for cyber analysts on the CEAD team at the Army Research Lab.
- Enhanced security by creating systems, tasks, and sub-tasks that will document vulnerabilities and mitigations.
- Technologies Used: **React, MongoDB**

Sub-recipient Grant Portal

LEAD SOFTWARE ENGINEER

- Designed and developed a web-portal that digitalized grant submissions and approval process for ORSP.
- Communicated and consulted clients about system design and requirements.
- Technologies Used: **HTML, CSS, Bootstrap, PHP, MySQL**

Activities & Leadership

Women in Payments

USAA

MEMBER

Jan. 2021 - PRESENT

- Network with and receive mentorship from other women within the field of fintech from all over the world.

Microsoft TEALS Program

El Paso, TX

TEALS TEACHING ASSISTANT (TA)

Aug. 2019 - May. 2020

- Volunteered twice week as part of a one year commitment to a local high school teaching AP Computer Science to 25 students.
- Prepared students for the AP Computer Science A examination and trained them on the tools needed to successfully pass the exam.

Community Learning and Interaction Outreach (CLIO)

El Paso, TX

TEACHING ASSISTANT (TA)

Aug. 2017 - Aug. 2019

- Developed a curriculum for high school students interested in CS.
- Collaborated with UTEP GAIA in hosting workshops.
- Mentored students after school hours and provided one-on-ones.