

Imani C. Martin

DATA SCIENTIST | ANALYST | ENGINEER

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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

San Antonio, TX

DATA SCIENTIST II | FRAUD & FINANCIAL CRIMES BANKING

May. 2020 - PRESENT

- Develop rules and fraud solutions for third level of 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

El Paso, TX

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

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.

Microsoft Corporation

Redmond, WA

SOFTWARE ENGINEER

May. 2018 - Aug. 2019

- 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.
- 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**.

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-scraping** 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

MEMBER

USAA

Jan. 2021 - PRESENT

Microsoft TEALS Program

TEALS TEACHING ASSISTANT (TA)

El Paso, TX

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.