

Rodrigo Mejia

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Education:

Bachelor of Science, Web Design and Engineering:
Santa Clara University, Santa Clara, California.

Dec. 2023

Skills:

Object-oriented Programming (Java, C++, Python), **Procedural Programming** (C, ARM Assembly), **Team Management** (Agile, Scrum, Git) **Computer Networking** (MicroPython, C, Arduino, RubyOnRails), **Database Management** (SQL, JSON), **Scripting** (Bash, Windows PowerShell). **Design Software** (Adobe CC, Figma), **Content Management Software** (Terminal4, Wix), **Web Development Software** (ReactJS, NextJS, Firebase, Flutter).

Projects:

TipNow Artificial Intelligence Project

Implemented advanced Natural Language Processing techniques integrating GloVe word embeddings and XG Boost to enhance threat level analysis of anonymous tips; devised and executed rigorous testing methodologies to assess model performance and program efficiency, achieving an accuracy score of 92%.

Sentiment Analysis Natural Language Processing:

Developed and implemented a sentiment analysis model leveraging logistic regression and GloVe word embeddings to classify text sentiment as positive or negative; conducted data cleaning, preprocessing using NLTK, and thorough evaluation of model performance

Donation Tracking Application for Banco De Alimentos: Cali:

Created a mobile application to streamline donation tracking for a food bank and assigning drivers for pickup. Developed the User Interface with React Native and Expo. Utilized Firebase for hosting and database management.

Relevant Coursework:

Data Structures, Web Technologies, Computer Imaging, Graphic Design, Computer Networks, Web Infrastructure, Web Programing, Web Usability, Web Information Management, Search Engine Optimization, Information Retrieval, Logic Design, Embedded Systems.

Experience:

TipNow Artificial Intelligence Intern

Mar. 2024 - Present

- Implemented Natural Language Processing with XG Boost and Logistic Regression
- Created tests to evaluate model performance and program execution efficiency
- Achieved an accuracy score of 92%

Freelance Web Developer/Contractor, Redwood City, CA and Santa Clara, CA

Jun. 2020 - Present

- Consulted clients and design interfaces tailored to their needs using various design software tools.
- Created responsive, intuitive, and highly usable front-end platforms using a human-centered design approach
- Developed an efficient and cost-effective back-end with emphasis on scalability.

President of Sigma Lambda Beta, Psi Alpha Chapter

Jun. 2020 - Jun. 2021

- Increased membership growth over 4x since joining.
- Organized social, cultural, and community events for chapter members and guests, manage social media accounts, and serve as liaison between other campus organizations and the fraternity.
- Managed finances and created budgets for social and events throughout the year.