

# Rodrigo Mejia

Redwood City, CA  
rmejia.g36@gmail.com  
rodrigomejia.com

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## Education:

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

**Grad. Dec. 2023**

## Skills:

**Programming Languages** (Java, C++, Python, C, ARM Assembly), **Team Management** (Agile, Scrum, Git), **Embedded Systems** (MicroPython, C, Arduino), **Database Management** (SQL, JSON), **Scripting** (Bash, PowerShell), **Design Software** (Adobe CC, Figma), **Web Development** (ReactJS, NextJS, Firebase, Flutter, Google Cloud), **Operating Systems** (MacOS, Windows, Linux), **Natural Language Processing** (SciPy, SciKit, NLTK, Pandas).

## Projects:

### *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 Programming, Web Usability, Web Information Management, Search Engine Optimization, Information Retrieval, Logic Design, Embedded Systems.

## Experience:

*NLP Intern, FreshFrosh LLC, Santa Clara, CA*

**Jul. 2024 - Present**

- Implemented an NLP algorithm for matching student resumes to talent acquisition and mentorship opportunities.
- Developed and fine-tuned models to accurately match resumes with appropriate opportunities.
- Created a data pipeline for processing and analyzing resume data.
- Conducted extensive testing to ensure high matching accuracy and relevance.
- Collaborated with team members to integrate the algorithm into the existing platform.
- Enhanced the platform's ability to identify and connect suitable candidates with available opportunities.

*NLP Intern, TipNow Resilience Inc., Fremont, CA*

**Mar. 2024 - Aug. 2024**

- Developed an NLP algorithm for a campus security platform to assess anonymous tips and assign threat levels.
- Served as the main point person and led a team of interns through the development process.
- Designed and implemented multiple NLP models to evaluate and classify threat levels.
- Created a comprehensive data pipeline for ingesting, processing, and analyzing tips.
- Oversaw the labeling and annotation of platform data for high-quality training datasets.
- Conducted rigorous testing to measure model performance, achieving an overall accuracy of 94%.

*Web Developer (Contractor), Raja Brands LLC, San Francisco, CA*

**Dec. 2023 - Aug. 2024**

- Developed a website for a chai latte drink, designing the front end and setting up the back end with Firebase.
- Implemented a customer email collection form and a store locator using Google Maps API.
- Managed SEO and analytics, and enhanced website performance using Google Web Performance tools.