Vicente Agricourt

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# CAREER OBJECTIVE

Graduate of Computer Science with experience working across software design and network protocols. Proficient in Python, Java, SQL, R, Racket, and Data Analytics. Looking for an entry level position where I can apply my knowledge and develop experience.

# WORK EXPERIENCE

## Intern

Jet Propulsion Laboratory

January 2018 – June 2018 La Canada, CA

* Assisted in the design and testing of components for robotic spacecraft, contributing to missions aimed at exploring the solar system
* Implemented a new navigation algorithm that reduced error rates by 20% in simulated environments
* Developed and tested software applications for space exploration, ensuring robust performance and reliability in mission-critical systems.
* Prepared detailed technical reports and presentations, documenting project progress and findings for review by senior engineers and scientists

# Projects

## CandleStix

Stock Prediction Website (SQL, Python, HTML, CSS)

* Incorporated data visualization libraries (Tableau, Matplotlib) to illustrate candlestick patterns, predicted trajectories, and model performance
* Integrated financial data APIs (Alpha Vantage & Yahoo Finance) to retrieve real-time and historical stock market data
* Implemented machine learning algorithms such as LSTM and Random Forest to predict price movements based on candlestick patterns

## Chat App

Distance Vector Routing (Java, Python)

* Created a user-friendly chat interface with real-time messaging capabilities and integrated features for user presence and chat history
* Employed Python and socket programming to handle communication between nodes and ensure robust message delivery

## Global Terrorism Database

Data Analytics GTD (Excel, R, Python, Matlab)

* Employed applied principles of visual analytics to streamline interpretations of datasets and facilitate actionable insights
* Identified key patters and correlations within GTD to inform risk mitigation strategies
* Produced insights to enhance counterterrorism and security measures

# EDUCATION

B.S.

Computer Science

California State University

Northridge, CA

# RELEVANT COURSES

Data Structures Algorithm Design

Database Design

Data Mining

Network Infrastructure

Computer Network Software

# SKILLS

Python (Django, Flask)

Java

SQL (PostgreSQL, MySQL)

Racket, R

Client Server Protocols

Data Analysis

Matlab

# Certifications

AZ-900 Azure Fundamentals

Google Cybersecurity Professional

(In Progress)