GIOVANNI **CORNEJO**

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A detail-oriented Computer Engineer with a strong background in data analytics in the hardware and software domains. Skilled in driving efficient solutions in data-driven environments, enhancing data accuracy, and providing actionable insights.

EDUCATION

MASTER OF SCIENCE IN ELECTRICAL AND COMPUTER ENGINEERING, UNIVERSITY OF FLORIDA
EXPECTED MAY 2026; Specialization: Signal Processing, Machine Learning, Computer Vision

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING, UNIVERSITY OF FLORIDA
AUG 2019 – MAY 2023; Cumulative GPA: 3.62/4.00; *cum laude*

PROFESSIONAL EXPERIENCE

PUBLIX SUPER MARKETS, FRONT SERVICE CLERK
SEP 2021 – JUL 2023
Provided premier customer service while handling customer interactions with professionalism and attention to detail.
Demonstrated strong organizational skills and proactivity in reducing shrinkage to ensure operational efficiency.

UNIVERSITY OF FLORIDA, TEACHING ASSISTANT
FEB 2023 – MAY 2023
Conducted accurate and efficient data entry for student assignments, adhering to standards of data integrity and privacy.
Monitored student progress and assisted in accomplishing established learning objectives.
Analyzed the efficacy of materials taught based on student performance.

KNACK, FREELANCE TUTOR
NOV 2020 – JUN 2021
Delivered customized tutoring sessions in math and computer science, achieving a 5/5 rating for client satisfaction.
Offered unique lesson plans catering towards individual needs to increase performance.
Enhanced student understanding through clear and effective communication.
Demonstrated a knack for breaking down complex topics with ease.

TECHNICAL SKILLS

Programming Languages and Frameworks: Python, C/C++, Java, MATLAB, HTML/CSS/JavaScript; Flask/Django
Data Science: Excel, Jupyter Notebooks, SQL and relational database interaction, Pandas, NumPy, Matplotlib
Machine Learning: Scikit-Learn, feature extraction, sentiment analysis, neural network fundamentals
Analytical Skills: Data analytics and visualization, signal/image processing, performance benchmarking

FEATURED PROJECTS

Spam Email Classifier: Developed an ML-based classifier to distinguish between spam and ham email messages. Conducted exploratory data analysis to find text patterns and class distribution. Preprocessed the data through text cleaning and TF-IDF vectorization. Trained and evaluated models such as Logistic Regression, Random Forest, and SVM, achieving high accuracy and robustness. Assessed model performance with additional metrics such as precision, recall, F1 score, and AUC, and visualized results using confusion matrices and ROC curves.

Moodipy Playlist Generator: Developed a sentiment analysis application that generates personalized Spotify playlists based on user diary entries. Applied data cleaning, preprocessing, and categorization techniques to ensure the accuracy and relevancy of music preferences derived from users' liked songs libraries and song metadata.

Covid Data Visualization: Created a web application leveraging Django backend and Chart.js frontend to visualize extensive COVID-19 datasets. Efficiently handled large datasets using NumPy for data manipulation and cleaning. Implemented various chart types and interactive features to provide in-depth insights into COVID-19 trends.

ADDITIONAL SKILLS

- Excellent interpersonal and communication skills
- Highly organized with attention to detail
- Capable of working independently and collaboratively in team settings
- Adaptable and a fast learner willing to discover and research new topics