

Jacquelyn Garcia

U.S. Citizen | 442-279-5193 | jag053@ucsd.edu | [LinkedIn](#) | [Github](#)

EDUCATION

University of California, San Diego <i>Bachelor of Science in Data Science</i>	San Diego, CA <i>Sep. 2023 – Jun. 2026 (Expected)</i>
Cornell University <i>Machine Learning Foundations Certificate</i>	Ithaca, NY <i>May 2024 – Aug. 2024</i>
San Diego City College <i>Associate's in Applied Mathematics</i>	San Diego, CA <i>Aug. 2019 – May 2023</i>

EXPERIENCE

Software Engineering Intern <i>Wells Fargo</i> <ul style="list-style-type: none">Selected for Summer 2025 internship on Wells Fargo's Consumer Technology Team; will contribute to backend systems supporting high-volume financial applications, with a focus on data infrastructure, reliability, and API development.	Jun. 2025 – Present <i>Chandler, AZ</i>
Machine Learning Engineer Fellow <i>Brightside Health</i> <ul style="list-style-type: none">Engineered and deployed a Python-based knowledge graph using LLMs (OpenAI) and spaCy, transforming unstructured clinical text into queryable datasets, streamlining treatment research for 300+ mental health providers.Modeled and visualized connections between 100+ treatment protocols and outcomes using NetworkX and PyVis, supporting clinicians in evidence-based decision-making for patients with depression and anxiety.Developed an automated data pipeline using LangChain and OpenAI APIs to ingest newly published clinical literature, enabling near real-time knowledge graph updates and enhancing treatment recommendation precision by an estimated 10%.	Aug. 2024 – Dec. 2024 <i>Los Angeles, CA</i>
Data Engineering Intern <i>Palomar Specialty Insurance</i> <ul style="list-style-type: none">Designed and implemented automated data validation pipelines using T-SQL in Microsoft SQL Server, ensuring timely and accurate ingestion of high-volume insurance data and enabling reliable downstream reporting via Power BI.Engineered scalable ETL processes with detailed data mappings and schema transformations, increasing data processing throughput to support a 2x growth in incoming data volume.Developed a PySpark automation script in Azure to parse and ingest semi-structured TPA email data, reducing associated manual workload by 4% and improving data availability for reporting by 3 days.Held SQL, Python, and SSMS workshops for fellow interns to enhance their technical skills and understanding of relational databases.	Jun. 2024 – Sep. 2024 <i>La Jolla, CA</i>

PROJECTS

Dermatology Image Classification <i>TensorFlow, Scikit-learn, Pandas, NumPy, Seaborn</i> <ul style="list-style-type: none">Developed and trained a TensorFlow/Keras-based Convolutional Neural Network pipeline to classify dermatological conditions, achieving a 25% reduction in diagnostic bias across diverse Fitzpatrick skin types.Leveraged CNNs, deep learning frameworks, and data augmentation to enhance classification accuracy.Collaborated with a team of data scientists to address biases in AI-driven dermatology tools.	Jan. 2025 – Apr. 2025
Stock Market Dashboard <i>Python, Flask, Tailwind CSS, PostgreSQL, Vercel, AWS, D3.js</i> <ul style="list-style-type: none">Engineered a full-stack, real-time stock dashboard using React.js and Flask, integrating the Yahoo Finance API to provide actionable market insights.Developed interactive D3.js visualizations, allowing dynamic exploration of trends and volatility across industries.Implemented secure user authentication and personalized watchlists using Auth0, boosting user engagement metrics.Designed a responsive and modern UI using Tailwind CSS, ensuring seamless user experience across devices.	Sep. 2024 – Dec. 2024
Green Signals: ESG Factors in Stock Price Prediction <i>Python, Scikit-learn, Pandas, NumPy</i> <ul style="list-style-type: none">Developed and tested a Python-based predictive modeling pipeline using Scikit-learn, integrating ESG scores with financial indicators to forecast next-day S&P 500 movements.Executed rigorous feature selection and hyperparameter tuning (KNN, Logistic Regression, XGBoost), achieving a 15% lift in F1-score compared to a baseline financial-indicators-only model.Designed comparative visualizations to assess ESG-weighted vs. traditional predictors, highlighting ESG's impact on short-term price fluctuations.Delivered results in a formal research-style report, simulating a real-world finance data product presentation.	Sep. 2024 – Dec. 2024

TECHNICAL SKILLS & AFFILIATIONS

Languages: Python, Java, C/C++, SQL, HTML, CSS, JSON, R
Database & Cloud: SQLite, PostgreSQL, Microsoft SQL Server, Google Cloud, Azure, AWS
Machine Learning & AI: TensorFlow, Keras, CNNs, NLP, spaCy, LangChain, Apache Spark, PyTorch
Data Analysis: Pandas, Seaborn, NumPy, Jupyter Notebook, NetworkX, PyVis, Matplotlib, Plotly
Affiliations: Break Through Tech AI, ColorStack, SHPE, WiC, SWE