JACQUELYN GARCIA

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EDUCATION

University of California - San Diego — San Diego, CA
BS Data Science — Sep 2023 - June 2026

San Diego City College — San Diego, CA
AS Applied Mathematics — Aug 2016 - May 2023

PROJECTS

Meteorites *Python, Pandas, Jupyter Notebooks, Matplotlib*
Processed raw data, addressing missing values and optimizing data types. Utilized Pandas for data manipulation and NumPy for statistical computations. Tested hypotheses on meteorite median masses using statistical methods and employed Matplotlib for visualizations depicting decadal trends. Provided insights into the temporal patterns of meteorite masses, contributing to a better understanding of their distribution over the years.

Song Harmony Matcher *Python, Pandas, Jupyter Notebooks*
Spearheaded a comprehensive analysis of Taylor Swift's 'Lover' album lyrics using Pandas and Python for efficient data manipulation. Applied Natural Language Processing techniques, including TF-IDF calculations, to gain insights into song lyrics. Developed an interactive dashboard, implemented in a Jupyter Notebook, enabling users to perform dynamic searches for specific words within lyrics to deliver a user-friendly exploration tool.

Therapy Matching Application *Java, Data Structures and Algorithms, VS Code*
Developed a patient database storage system and implemented a decision tree algorithm in Java to match patients with the most suitable therapies based on their unique life circumstances and generated an optimized match list of doctors. Implemented efficient data structures, including Hash Tables for quick data retrieval, Buffered Readers for input processing, and Memorization techniques to enhance performance.

EXPERIENCE

Palomar Specialty — La Jolla, CA
Incoming Data Engineer Intern — June 2024 - September 2024
Break Through Tech AI — Los Angeles, CA
Incoming AI Fellow — May 2024 - April 2025
Whole Foods Market — Del Mar, CA
E-Commerce Supervisor — Oct 2019 - Sep 2023

- Led a 50+ member team, improving shopper productivity by 22% in Q2 2022 through effective delegation, communication, and servant leadership.
- Utilized Excel and SQL to analyze Operation Metrics, presenting weekly reports on sales, revenue, and shopper efficiency to store leadership.
- Conducted individualized shopper reports, leading one-on-one sessions that contributed to a 22% increase in team member performance.
- Actively participated in mentorship and talent assessment, serving on hiring panels and evaluating candidates for internal promotions and leadership positions.

LEADERSHIP EXPERIENCE

Project Manager
Lead a team in developing an image processing project related to image processing and KNN classification. Facilitated seamless collaboration with team members using GitHub for project tracking, reviewing pull requests, and creating branches. Ensured the timely completion of milestones through strategic planning and transparent communication, consistently meeting or exceeding project expectations.   Feb 2024 - Mar 2024

Girls Who Code College Loops | Vice-President
Oversaw club stipend, managed resources, and delegated tasks amongst club officers. Collaborated with President to coordinate guest speakers for women in the tech industry. Led Python and Web Development workshops for members in order to enhance their practical skills and industry readiness. Fostered an inclusive environment with a commitment to diversity and collaborative efforts.   2022 - 2023

SKILLS

Languages:	Python, Java, C/C++, SQL, R, HTML, CSS
Tools:	Pandas, NumPy, Matplotlib, Jupyter Notebooks, Git/Github, VS Code, IntelliJ
Relevant Coursework:	Principles of Data Science, Data Structures for Data Science, Statistical Methods