JACKIE GARCIA

COMPUTER SCIENCE NEW GRAD

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EDUCATION

B.S. Computer Science
University of California
Santa Cruz
2018-2021
GPA: 3.9, Dean's Honors

SKILLS

- Database design
- Data modeling
- Data engineering
- Python / C / C++ / Java
- Pandas, NumPy, MicroStrategy
- PostgreSQL, Neo4j
- HTML / CSS / Javascript
- REST API
- Unix, git, Docker
- Fluent in Spanish

HONORS & CERTIFICATIONS

- College Scholars Honors Program
- Winter Classic Invitational Cluster Competition, Sponsored by Google
- Business Intelligence Concepts, Tools and Applications
- Data Warehouse Concepts, Design, and Data Integration
- Relational Database Support for Data Warehouses
- Database Management Essentials

PROFILE

Determined, self-motivated, curious computer science senior looking for a full-time job after graduation to make a real-world impact using data. Skilled at communication, developing relationships, effective collaboration, and critical thinking with a deep understanding of technical concepts and applications. Interested in further developing skills in data engineering, ranging from database design to warehousing and management, and their practical uses such as analysis and visualization.

EXPERIENCE

Marketing Strategy Intern
The Center for Common Ground | 2020

- Designed, implemented, and evaluated the impact of marketing campaigns focused on getting young people to become more involved in the political landscape.
- Led the analysis and visualization of data retrieved from digital marketing campaigns and preparation. Developed dashboards in MicroStrategy and presentations using Google Suite.
- Developed tools using python, Google Sheets API, and pandas to facilitate the maintenance and management of user access to the text banking system.

Course Project
Comparing Data Storage Strategies for Efficient Querying | 2021
CSE215: Design and Implementation of Database Systems

- Created a paper and presentation to analyze the strengths, weaknesses, and tradeoffs between relational and graph database systems in terms of query execution time.
- Implemented retail and social-network datasets, schemas, and queries to compare the execution time of storing relationships between entities against computing them at run-time using foreign key joins.

Tutor / Reader
Baskin School of Engineering | 2021
Database Systems I, Database Systems II and Computer Architecture

- Approached by professors after successful completion of their courses and offered a position to help tutor and grade students due to a deep understanding of concepts and technical considerations.
- Classes comprised of concepts such as approaches, tools, and methodology of database design, architecture, and implementation of database systems and computer architecture.
- Assisted students in understanding course concepts, organized office hours to support class projects and lab assignments. Reviewed, commented, and discussed student work and offered help preparing for exams.
- Graded student work, including homework, papers, labs, and exams.