Gina Roberg

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO   **La Jolla, CA**

B.S. in Data Science, specialization in AI and Machine Learning, Minor in Finance   *Expected Graduation: June 2025*

- Cumulative GPA: 3.4/4.0
- Relevant Coursework: Principles of Data Science, Data Processing, Data Visualization, Data Management, Modeling, and Analysis, Object Oriented Programming, Data Structures and Algorithms, Statistical Methods, Theory and Fundamentals of Data Science

EXPERIENCE

DATA SCIENCE TUTOR   **San Diego, CA**

Halıcıoğlu Data Science Institute   *April 2023 - Present*

- Developed weekly programming assignments covering topics of Pandas, DataFrames, Data Types, Probabilities, Modeling, Hypothesis Testing, and Permutation Testing
- Taught and explained topics in weekly office hours to students and provided guidance on assignments
- Working 10+ hours per week in tutoring sessions, assignment development, and beta testing course materials

MARKETING/PAYROLL INTERN   **San Diego, CA**

Mor Furniture for Less   *Sept. 2020 - Present*

- Conducted user testing during the development of the Mor Furniture Associate App to debug and ensure functionality
- Updated pages on the company website for promotions, custom orders, products, and packages
- Managed entire product image inventory and database for permits and licenses for 40 stores and warehouses

PROJECTS

RECIPES AND RATINGS ANALYSIS AND MODELING   **San Diego, CA**

Personal Project   *January 2023 - April 2023*

- Analyzed a dataset of recipes and ratings by manually cleaning the data, performing univariate and bivariate exploratory data analysis
- Built a regression model to predict recipe ratings, by extracting features from the data, trained the model with sklearn pipelines, and utilized GridSearchCV to improve the model
- Assessed fairness of the model between cooking time of recipes through a permutation test comparing precision of predictions

MOMENTAL   **San Diego, CA**

Front-End Developer   *April 2022 - May 2022*

- Created web-application that allows user to post an audio file, title, description, and mood rating
- Led front-end development using Node.js, React.js, CSS, and HTML
- Stored user data using MongoDB and to connect front-end and backend

LEADERSHIP

DATA SCIENCE STUDENT SOCIETY   **San Diego, CA**

Project Lead   *Jan. 2022 - May 2022*

- Led team to build machine learning model using Urban Sound dataset of 8000+ audio samples for audio classification
- Delegated tasks to team members throughout research, technical work, and creating the deliverable
- Worked alongside a Data Science mentor throughout the project through weekly core calls

SKILLS

- **Programming:** Python, Java, CSS, HTML, JavaScript, Jupyter Notebook, SQL, SQLite
- **Libraries/Frameworks:** JUnit, Numpy, Matplotlib, Pandas, PyTorch, Tensorflow, React.js, Node.js, D3.js, Scikit-learn
- **Tech:** Jupyter Notebook, GitHub, Microsoft Office, Canto, Cylindo, Canva
- **Languages:** English, Vietnamese