

Daniel del Carpio

STUDENT · DATA SCIENCE

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Summary

Perceptive and logical data analyst with proven ability to communicate with both technical professionals and end users to identify and translate business requirements. Offering data accuracy and integrity. Proven ability to build and lead teams of talented professionals to develop valuable process solutions to meet business objectives. Graduating in December 2020.

Education

University of California, Berkeley

Berkeley, California

B.A. IN DATA SCIENCE WITH AN EMPHASIS ON QUANTITATIVE SOCIAL SCIENCE

2018-Present

Notable Courses: Principles and Techniques of Data Science, Intro to Data Visualization, Concepts in Computing with Data, Structure and Interpretation of Computer Programs, Data Structures, Probability for Data Science

Los Medanos College

Pittsburg, California

A.S. IN MATHEMATICS, GRADUATED WITH HONORS

2016-2018

Notable Courses: Calculus I, Calculus II, Multivariable Calculus, Differential Equations, Linear Algebra

Experience

EducationSuperHighway

San Francisco, California

DATA ANALYST INTERN

May 2019 - Present

- Performed data analysis, documentation, testing, implementation of tools and support for national analysis
- Corrected any data entry error to prevent later issues such as duplication or data degradation
- Created a python tool to deliver data on current broadband and school connectivity goals to state governor's offices, expedited process from last year by 200%

UC Berkeley Division of Data Sciences

Berkeley, California

PEER CONSULTANT

September 2019 - Present

- Consulted undergraduate students, graduate students and faculty on how to do integrate data science into their own research projects or course material.
- Consulted with various departments around the University on data visualizations for presentations and reports.

Projects

Predicting Taxi Ride Duration (Machine Learning)

University of California, Berkeley

CLASS PROJECT

- Mined NYC taxi ride data by querying database using SQLite. Conducted exploratory data analysis, inspection, and cleaning using SQL. Created training and validation datasets for future use.
- Continued exploration on training dataset. Visualized and analyzed time, distance, and spatial/location features. Implemented clustering analysis to pinpoint more nuanced features.
- Completed feature engineering and constructed regression model for the purpose of predicting the duration of an NYC taxi ride based on given information. Fit the model on training data, validated, and tested. Built reusable data processing pipeline. Model achieved a mean absolute error (MAE) of 176, meaning it was off by roughly 2-4 minutes for an average taxi ride.

UC Berkeley Facilities Services (Visualization Dashboards and Website)

University of California, Berkeley

CLASS PROJECT

- Cleaned real UC Berkeley work order data and created interactive visualizations in Tableau, along with a website to provide insights on work orders around the UC Berkeley Campus.
- Wrote clear and concise test plans and protocols for usability testing with peers and members of the Facilities Services to measure user perceptions and preferences.

Skills

TECHNICAL

Programming Languages, Proficient in: Python, SQL, R, C++, Javascript, LaTeX

Packages, Pandas, Seaborn, NumPy, Matplotlib, SQLite

Software, Anaconda Navigator, Jupyter Notebooks, Tableau, Salesforce, Pivotal Tracker, G Suite