

# Michael Roberts

Downey CA, 90241

310 237 2883

mwroberts.email@gmail.com

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## Projects

### Credit Card Churn

Mar. 2022

I created a model to predict which customers are likely to close their credit card account (churn).

I used a dataset with common industry metrics.

Packages used: Pandas, Numpy, Matplotlib, Seaborn, scikit-learn

<https://github.com/mr255/Credit-Card-Churn>

### LA County Building Permits

Nov. 2021

I investigated LA County Building Permit data to try to find any trends over time. The data spans nearly 20 years and I analyzed the permit approval time.

Packages used: Pandas, Numpy, Matplotlib, SQL

<https://github.com/mr255/Building-Permits>

## Education

California State University, Long Beach

Dec. 2019

MS Applied Mathematics, GPA 3.35

Relevant Coursework:

Matrix Methods for Data Analysis and Pattern Recognition

Regression Analysis

Stochastic Modeling

Scientific Computing

California State University, Dominguez Hills

May 2006

BS Mathematics, GPA 3.56

## Engineering Experience

Associate Engineer, Paller-Roberts Engineering - Culver City, California

2007-Pres.

Civil Engineering and Surveying tasks in the field of land development

Survey party chief for elevation and utility surveys.

Design and prepare hydrology and water conservation plans.

Design and prepare over excavation and subdrain plans

Develop 3D Models in Autocad Civil Design for select projects

## Skills

Python, R, Matlab, SQL, Google Cloud Services, LaTeX, Excel.