

# NICK BIGELOW



## EDUCATION

Fall 2021  
|  
Spring  
2023

### San Diego State University

M.S. in Statistics

📍 San Diego, California

Specialized in statistical computation. Studied advanced topics including Bayesian statistics, time series analysis, and survival analysis. Applied skills in R and Python across various projects.

Fall 2016  
|  
Spring  
2020

### University of Colorado

B.A. in Economics

📍 Boulder, Colorado

Specialized in quantitative analysis. Studied key areas including econometrics and macroeconomic policy. Applied analytical tools and techniques in R and SAS. Applied regression models and time series techniques.



## PROFESSIONAL EXPERIENCE

May  
2023  
|  
Present

### Umpqua Bank

Quantitative Model Developer

📍 Los Angeles, California

- Contributor on the model development team. Full lifecycle statistical model development with application to credit risk and customer analytics using R, Python, and SQL.
- Developed probability of default models used for CECL reporting.
- Experience using logistic regression, survival analysis, time series analysis, and machine learning methods to implement business solutions with application to retail analytics and credit risk.
- Building robust data engineering and model pipelines.
- Experience using apache spark to work with large datasets. Advanced visualizations in R Shiny and R.
- Presented various data analysis and modeling projects to executives and stake holders.

May  
2022  
|  
December  
2022

### Pacific Life Insurance

Data Science Intern

📍 Newport Beach, California

- Internship on the Operations Research team. Worked towards projects with application to scheduling optimization problems.
- Deploying a time series model to Tableau.
- Developed and implemented a structured time series model to predict daily/monthly/annual FTE needs.
- Experience using Python to develop a structured time series model and implement predictions into an Tableau dashboard. A python script wrote predictions to a snowflake server then used SQL to query predictions into a tableau dashboard.
- Work towards scheduling optimization solutions using R shiny.

## CONTACT INFO

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📞 805-796-5994

## SKILLS

Python

R

SQL

Data engineering

Bayesian Statistics

Time Series Analysis

Survival Analysis