

KAMALA PILLAI

Cupertino, CA

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EDUCATION

UCLA ANDERSON SCHOOL OF MANAGEMENT

Master of Science in Business Analytics (MSBA)

Anderson Merit Fellowship Award

Machine Learning, Business Fundamentals, Customer Analytics, Data Management

Los Angeles, CA

Expected December 2021

UNIVERSITY OF CALIFORNIA, BERKELEY

BS in Bioengineering, Minor in Computer Science and Electrical Engineering

Optimization Models, Statistics and Forecasting, Concepts of Probability, Data Structures

Berkeley, CA

May 2020

TECHNICAL SKILLS

Languages: Python (numpy, scipy, pandas), R, SQL, C++, Java, Javascript, MATLAB

Software: Tableau, Looker, Mode, Excel, Adobe Analytics

PROFESSIONAL EXPERIENCE

GENENTECH, INC.

Predictive Analytics Intern

South San Francisco, CA

May 2019 – Dec 2019

- Queried vast clinical trial data sets using SQL and modeled data in a Tableau dashboard, accelerating decisions by allowing Clinical Trial Leaders to easily understand data and visualize trends.
- Led meetings with study leaders to identify key study startup metrics for successful clinical trials, standardizing decision-making and informing development of Tableau dashboard to track these metrics.
- Won 1st place in company-wide intern poster exhibition with over 200 intern participants, presenting on predictive analytics tools for early clinical development.

ANALYTICS PROJECTS

ADOBE ANALYTICS CHALLENGE

Participant Team

UCLA

Sept 2020 – Nov 2020

- Leveraging Adobe Analytics software with real-world Nike data to conduct analysis and make powerful data-informed recommendations for Nike.

ENGINEERING STATISTICS AND FORECASTING

Wine Quality Project

UC Berkeley

April 2020

- Demonstrated knowledge of glmnet and caret libraries to implement OLS, Ridge Regression, Lasso Regression, and Elastic Net for modeling wine quality in R.

OPTIMIZATION MODELS IN ENGINEERING

Optimization Algorithms Project

UC Berkeley

April 2020

- Implemented and compared Gradient Descent, Momentum Gradient Descent, Nesterov's Accelerated Gradient Method, and Adaptive Gradient Method for minimizing an objective in Python. Used matplotlib for plotting results.

DECIBIO CONSULTING CASE COMPETITION

2nd Place Finalist Team

UC Berkeley

May 2018

- Developed award-winning market entry strategy, maximizing success of customer in liquid biopsy field.
- Created detailed slide deck, communicating data-driven insights around key metrics to DeciBio consulting team.