

# KAMALA PILLAI

Cupertino, CA

(408) 439-6839 / kamala.pillai.2021@anderson.ucla.edu | linkedin.com/in/kamala-pillai

## EDUCATION

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### 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

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

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

## PROFESSIONAL EXPERIENCE

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### 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 1<sup>st</sup> place in company-wide intern poster exhibition with over 200 intern participants, presenting on predictive analytics tools for early clinical development.

## ANALYTICS PROJECTS

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### 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

*2<sup>nd</sup> 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.