

## CONTACT

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## EDUCATION

Foothill College  
2018  
Developed foundational knowledge of object-oriented programming and advanced data structures using Java

The Ohio State University College of Medicine  
Doctor of Medicine 2013

Duke University  
Bachelor of Science, Biology 2009  
Cum Laude

## SKILLS

### PROGRAMMING LANGUAGES

Python  
Java

### MODELS/ALGORITHMS

Multivariate Linear Regression  
Logistic Regression  
Random Forest  
K-Means Clustering  
Natural Language Processing  
Neural Networks

### TOOLS

Scikit-learn  
Pandas  
NLTK  
Beautiful Soup  
Keras/TensorFlow

### DATA VISUALIZATION

Matplotlib  
Seaborn  
Tableau

### DATABASE MANAGEMENT

SQL  
MongoDB  
AWS

## EXPERIENCE

### Metis

Data Scientist

San Francisco, CA  
03.2020 - 06.2020

Metis is a 12-week immersive data science program that builds skills in data analysis and machine learning through project development. Completed five-end-to-end projects including:

### Track My Diet

- Designed a food image classifier using convolutional neural networks to achieve an accuracy rate of 89%
- Applied image classification to diet pattern recognition and tracking
- Employed transfer learning and model fine-tuning using Keras and TensorFlow

### Five Stars

- Built a classification model to identify features predictive of 5-star yelp ratings
- Performed NLP analysis of Yelp review text using NLTK and topic modeling
- Managed a cloud-based database with MongoDB

### From College to the Pros

- Analyzed college basketball statistics to predict a player's outcome in the NBA draft
- Performed multi-class classification with multiple modeling tools including logistic regression, random forest, and k-nearest neighbors
- Managed a cloud-based database using SQL and AWS

### A Night at the Movies

- Predicted domestic movie box office from a film's pre-release features
- Optimized linear regression models with regularization methods
- Employed web-scraping tools

### The Permanente Medical Group

Physician

Mountain View, CA  
09.2016 - 03.2020

Managed chronic health conditions for a population of patients in an outpatient primary care clinic

Tech Consultant (January 2019 - March 2020)

Advised physicians on efficient and optimal utilization of electronic health records

### Kaiser Permanente Santa Clara

Resident Physician

Santa Clara, CA  
06.2013 - 06.2016

Professionalism Award - 8/2014, 3/2015