

Michael Kleyn

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EDUCATION

San Francisco State University, School of Engineering and Applied Science 2021-2024

B.S. in Applied Mathematics - Computer Science Focus | GPA: 3.64 | CSC210 Tutor

Santa Monica City College & Pasadena City College 2017-2020

A.S. in Applied Mathematics | President of EA Club

Relevant Coursework: Data Structures, Statistical Learning, Data Mining, Probability & Statistics, Software Dev

PROFESSIONAL SKILLS

Programming Languages & Frameworks: Java, Python, R, Typescript, React, Next.js

Libraries: Python (*eg. scikit-learn, numpy, pandas, matplotlib*), R (*eg. ggplot2, dplyr, tidyverse, h2o*)

Data Science & Miscellaneous Technologies: Git, A/B Testing, Data Science Pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Experimental Design, Hypothesis Testing, OOP, Excel

EXPERIENCE

KBK Management Remote
Data Scientist & Tech Consultant 2023-Current

- Led company migration to Microsoft 365 services, implementing robust security protocols to ensure compliance with financial industry regulations for handling sensitive client information.
- (Current) Developing predictive modeling and forecasting for tour production costs.

Tao He's Laboratory (in affiliation with UCSF) San Francisco, CA
Research Assistant 2022-2023

- Developed a classification suite using Python, sklearn, and TensorFlow for classification of cancer diagnoses.
- Encoded n-grams from ~18,000 TCR sequence data points to feed into multiple clustering algorithms.
- Researched and tested TCR classification models (CNN, Transformers) from multiple academic papers.

San Francisco State University San Francisco, CA
Computer Science Tutor and Advisor 2022 - 2023

- Holding weekly tutoring sessions which are accessible for ~300 entry level Computer Science students.
- Recruited to aid and advise the CS department restructuring of "CSC 210", including on relaying important Java based fundamentals missed by students. Attended weekly meetings to discuss and track student learning outcomes and KPIs.

EPS America Los Angeles, CA
Warehousing & Logistics Manager (West Coast) 2015-2017

- Managed and trained groups of ~10 workers from local halfway homes for the previously incarcerated for onsite operations which included using Microsoft Excel for tracking inventory, maintenance, and shipment of product.
- Initiated the redesign of the Los Angeles and New York warehouses. Increasing average inventory capacity of 27%, and cutting forklift incident rates by half.

PROJECTS

NLP Classifier (Project) | Python, matplotlib, scikit-learn

- Created a suite of ML tools (Logistic/Lasso/Ridge Regression, Random Forest, Naive-Bayes) to attempt a classification problem of classifying tweets as being possibly written by IRA agents, using bag-of-words and n-grams.
- Wrangled tweet data from ~3 million tweets with 27 features. Using NLP this was made into a sparse term-document matrix of 671,000 observations, and 883,000 unique features.

Conduits - AI Powered LMS (Project) | Typescript, Next.js, PostgreSQL

- Full stack development of ~5k lines of TypeScript using the Next.js framework, integrating OpenAI's API for advanced features. Designed a relational database using PostgreSQL and hosted it on Supabase.