

Michael Kleyn

michaelkleyn@gmail.com | 206-817-9515 | mkleyn.com

EDUCATION AND HONORS

San Francisco State University , School of Engineering and Applied Science	San Francisco, CA
Bachelors of Science in Applied Mathematics: Application in Computer Science	2021-2023
<ul style="list-style-type: none">GPA: 3.64 Dean's List President of EA Club (2018-2020)Relevant Coursework: Data Structures, Statistical Learning, Data Mining, Probability & Statistics, Software Dev	
Pasadena City College : Pasadena, CA	2020-2021
Santa Monica College : Santa Monica, CA	2018-2020

PROFESSIONAL SYSTEMS & PROGRAMS

Programming Languages & Frameworks: Java, Typescript, React, C++, Python, R

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

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

PROFESSIONAL EXPERIENCE

KBK Management <i>Data Science & IT Consultant</i>	Remote 2023-Current
<ul style="list-style-type: none">Led company-wide migration to Microsoft 365, implementing robust security protocols and ensuring strict compliance with financial industry regulations for handling sensitive client information.(Ongoing) Architecting and developing a responsive company website using modern JS frameworks.(Upcoming) Set to develop business analytics solutions using the aggregated data with Microsoft Power BI.	
Tao He's Laboratory (in affiliation with UCSF) <i>Research Assistant</i>	San Francisco, CA 2022-2023
<ul style="list-style-type: none">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 <i>Computer Science Tutor and Advisor</i>	San Francisco, CA 2022 - 2023
<ul style="list-style-type: none">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.	
Conduits - AI Powered LMS (Project)	
<ul style="list-style-type: none">Developed a Learning Management System web-app, Conduits, which provides first to market features in an Education App with the help of Large Language Models.Developed the frontend with ~3k lines of TypeScript and Next.js, integrating OpenAI's API for advanced features. Designed relational database architecture using PostgreSQL standards and hosted it on Supabase for seamless scalability. Managed deployment of the repository on Vercel for continuous integration and delivery.	
NLP Classifier (Project)	
<ul style="list-style-type: none">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.	