

KYUNG-BIN KEVIN YIM

424-299-2346 | kyungbinkevinyim@berkeley.edu | [linkedin.com/in/kevinyim310](https://www.linkedin.com/in/kevinyim310)

Education

UC Berkeley, College of Engineering

Expected Graduation: May 2023

B.S. in Industrial Engineering and Operations Research (IEOR)

Minor in Data Science / In progress to complete Berkeley Certificate for Design Innovation

Experiences

Civic Data Subteam Leader | Geopogo

January 2022 - Present

- Lead data science students to overlay 3D data on a virtual model of San Francisco to develop methods of urban project proposals
- Conducted research on San Francisco open source databases to incorporate geospatial data into an AR environment (Unreal)

Data Science Intern | Cortex

September 2021 - December 2021

- Calculated patient risk scores for hospital readmissions using the health analytics startup's data of 30,000 patients across the US, including data extracted from nurse-to-patient calls to help healthcare providers prioritize resources
- Performed exploratory data analysis and feature engineering with patient data and call data to create logistic regression models
- Researched and utilized data imbalance techniques SMOTE and Tomek Links to mitigate the effects of low readmission cases

Customer Engagement Intern | Lululemon Athletica

June 2021 - September 2021

- Developed possible solutions pertaining to customer engagement in COVID-19 atmosphere as part of Data-X Berkeley program
- Conducted market research while analyzing potential constraints and logistic concerns to planning for customer loyalty programs
- Compiled visual models to showcase design decisions and workflows to stakeholders in tandem with other product subteams

Projects

Tribe Capital Startup Investment Classification Model | Google Colab

March 2022 - Present

- Trained various classification models to help Tribe Capital, a startup seed investor, to sort out startups that are more likely to succeed or move onto the next stage in funding based on multiple evaluation metrics, such as recall and F1 scores
- Performed data analysis using ensemble learning methods such as random forest to convey decisive features of the models

Staffing Model Risk Analysis with Linear Programming | AMPL

November 2021- December 2021

- Formulated linear program maximizing yearly revenue with workload constraints and billable staffs as decision variables
- Analyzed trade-offs of proactive and reactive hiring models for Strategic Advising Consulting Group's onboarding consultants
- Determined operational requirements of the suggested hiring model, optimal staffing recommendations, and associated risks

Funetic | Adobe Illustrator, Figma

January 2021 - June 2021

- Designed applications designed to solve inequality in voice recognition services utilizing prototyping and user research methods
- Created low-fidelity interactive UI prototype, design roadmap, and visualizations of the design processes

Extracurriculars

Data Consulting Committee Member | SAAS Berkeley

August 2021 - Present

- Developed data science and analysis skills, learned statistical methods, and improved machine learning techniques through project-based workshops and labs
- Consulted private organization using data-driven decision making tools such as decision trees and regression models

Discharged Sergeant (E-5) | The ROK Marine Corps

April 2019 - November 2020

- Served in the 6th ROK Marine Brigade at Baengnyeongdo of the Northwestern Island Defense Corps as a signaller
- Worked with USMC in Combined Command Post Training 20-1 & 20-2 as a Korean-English translator at ROKMC HQ

Portside Rower | Cal Lightweight Rowing

August 2018 - December 2018

- Participated in the Men's novice 8's team as a port rower by attending daily morning practices
- Competed in the Head of American competition

Relevant Coursework

- | | | |
|---|--|--|
| • Principles and Techniques of Data Science | • Non-Linear and Discrete Optimization | • Engineering Statistics, Quality Control, and Forecasting |
| • Linear Programming and Network Flows | • Probability and Risk Analysis | • Decision Analytics |
| • Intro. to Stochastic Processes | • Design Methodology | • Logistics Network Design and Supply Chain Management |
| • 3D Modeling | | |

Skills

- **Programming:** Python, MATLAB, AMPL, SQL
- **Prototyping/Visualization:** AutoCAD, SolidWorks, Adobe Illustrator, Photoshop