

# Max Kim

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## Education

### University of California, Berkeley

**Expected Graduation:** May 2023

*Double Major: B.A. Computer Science, Operations Research and Management Science (Algorithmic Decision Making)*

**GPA:** 3.98/4.0

**Current Coursework:** Machine Structures, Efficient Algorithms and Intractable Problems, Introduction to Cloud Computing

**Past Coursework:** Data Structures & Algorithms, Computational Structures in Data Science, Principles & Techniques of Data Science, Data & Decisions, Probability & Mathematical Statistics in Data Science, Probability & Risk Analysis for Engineers, Linear Algebra & Differential Equations, Multivariable Calculus

## Projects

### Mini Git –

- Created a version-control system from scratch in **Java** capable of mimicking features of Git such as saving contents of entire directories of files using file persistence and restoring versions of one or more files for a more organized workflow.
- Designed more features such as viewing the history of backups, maintaining sequences of saved contents, and merging changes made in one sequence into another; tested with unit tests with JUnit and integration tests

### ML State Political Party Predictor –

- Created a machine learning autoregressive logistic model from scratch in **Python** by training with COVID-19 time-series datasets to predict the political ties of any given state based on voting patterns of the 2020 election with ~70% accuracy.
- Incorporated daily vaccination rates, death rates, total testing rates, and cases per capita after normalization as features for the model and optimized the model bias and variance with cross-validation, feature engineering, and extensive EDA using **Scikit-learn**, **Plotly**, **Seaborn**, etc.

### E@B Mentorship Platform – <https://entrepreneurs.berkeley.edu/mentorship/login/>

- Implemented simple mentorship platform with a team of four to facilitate connecting students with mentors throughout the semester for *Entrepreneurs@Berkeley* organization in **HTML/CSS** and **Python** using **Django**.
- Designed functionalities such as making feedback requests to mentors, creating or joining a startup, viewing and interacting with other users and startups, and logging your feedback requests and customized profile.

### CodeChat –

- Designed a real-time messaging platform and game

## Work Experience

### Empowerly

San Francisco, CA

*Data & Technical Marketing Intern*

February 2020 - September 2020

- Created data management system to maintain **550+ students** and their data in **Hubspot**; categorized/organized 650+ blog posts with **Airtable**
- Collaborated with UI & UX developers & CTO for student portal design; compiled & organized data for 100+ universities, scholarships, summer programs in **Javascript**
- Managed marketing channels and produced content by generating statistical graphics and comprehensive reports in **Python** using **Matplotlib** by analyzing student engagement data in relation to sales funnels using Hubspot and Python and presenting findings to the Marketing Team

## Extracurriculars & Leadership

### Future Business Leaders of America | Phi Beta Lambda

Berkeley, CA

*Data Science Project Manager, Client Team & Consulting Analyst*

January 2020 - Present

- Headed contract consultant team to identify key ways to connect with Gen Z for Reebok's Classic Leather line by conducting a national survey with **100+ responses** and performing EDA in **Python** using **Matplotlib** to better understand consumer behavior and assess Gen Z's perceptions of Reebok's brand image; presented findings and marketing strategies to **Reebok's** U.S. Marketing Team

### Entrepreneurs@Berkeley

Berkeley, CA

*Vice President of Operations, Project Advisor*

September 2019 - September 2021

- Designed and executed reconstruction of entire program increasing end-of-semester membership/engagement by **20+ students**, co-hosted **10+ events** featuring entrepreneurs across industries with over **350+ participants**, planned and managed all internal and external events
- Coordinated and led weekly meetings with 2 project teams and designed entrepreneurship curriculum covering Pitch Development, Business Model Creation, Market Outreach/Sizing, Prototype/MVP in preparation for Final Demo Day

## Skills, Technologies, and Awards

- **Languages:** Java, Python, SQL, HTML/CSS, JavaScript

- **Technologies:** React, Node, Django, Express, PostgreSQL, MongoDB, Postman, JWT, RESTful APIs, Git, GitHub, JUnit, Scikit-learn, Plotly, Seaborn, GeoPy, NumPy, Scipy, Pandas, Matplotlib, Chakra UI, Jupyter Notebook, IntelliJ, MS Office (Excel & Powerpoint)

- **Societies & Awards:** Computer Science Undergraduate Association @ Berkeley, Baidu x Voyager Consulting Case Competition 2nd place