Max Kim

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Education

University of California, Berkeley **Expected Graduation:** May 2023
Major: *Data Science, ORMS* **Minor:** *Computer Science* **GPA:** 3.98/4.0
Current Coursework: Machine Structures, Structure & Interpretation of Computer Programs, Introduction to Artificial Intelligence
Past Coursework: Data Structures & Algorithms, Computational Structures, Multivariable Calculus, Principles & Techniques of Data Science, Linear Algebra & Differential Equations, Probability & Mathematical Statistics in Data Science, Probability & Risk Analysis for Engineers

Professional Experience

Willow Labs San Francisco, CA
Machine Learning Intern January 2022 - Present
• Closely working with CTO to test & implement new features for existing machine learning models in **Python** using **TensorFlow** and **Keras**

UC Berkeley Electrical Engineering & Computer Sciences Berkeley, CA
Course Staff Intern for CS 61B: Data Structures & Algorithms January 2022 - Present
• Facilitate labs & office hours by helping students with assignments in **Java** & holding conceptual presentations for a class of **~1600 students**

Empowerly San Francisco, CA
Data Science Intern February 2020 - September 2020
• Collaborated with UI/UX developers & CTO for student portal design; extracted relevant data points related to **100+** universities, summer programs, and scholarship programs & defined schemas for the key Empowerly Score feature for the student portal database using **Javascript**.
• Analyzed **550+ student** engagement data points and produced statistical content for marketing team & website with **Python** using **Matplotlib**

Research Experience

University of California, San Francisco San Francisco, CA
Undergraduate Research Apprenticeship January 2022 - Present
• Developing a dashboard for primary care clinicians using **React** & **D3** and Smart on **FHIR API** with researchers at Berkeley Institute for Data Science (BIDS) and clinicians at UCSF to automatically aggregate significant data from a patient's medical records into one place.

Projects

Mini Git *Upon Request*
• 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.
• Wrote a design document and 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 extensive unit tests using **JUnit** and integration tests.

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 *https://github.com/maaxkimm/codechat/*
• Created a real-time messaging platform and game inspired by the popular quarantine game, Story Time, using the **MERN** stack & **React**
• Designed features such as signup and login authentication using **JWT** and bcrypt, group chat messaging and searching user functions utilizing **RESTful APIs**, real-time and bi-directional communication with **Socket.IO** and implemented web design/layout using **Chakra UI**.

Extracurriculars & Leadership

Future Business Leaders of America Berkeley, CA
Technical Project Manager 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 **100+ response** survey and performing EDA in **Python** using **Matplotlib**; presented insights & findings to **Reebok**'s U.S. marketing team.

Entrepreneurs@Berkeley Berkeley, CA
Vice President of Operations, Head Project Instructor & 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**; designed entrepreneurship curriculum for Final Demo Day.

Skills, Technologies, & Awards

• **Languages:** Java, Python, C, SQL, HTML, CSS, JavaScript, RISC-V
• **Technologies:** React, Node, Express, Django, MongoDB, Postman, JWT, REST APIs, Git, GitHub, JUnit, Pandas, TensorFlow, AWS EC2
• **Societies & Awards:** Computer Science Undergraduate Association @ Berkeley, Baidu x Voyager Consulting Case Competition 2nd place