Katie Kim

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EDUCATION

UC BERKELEY
B.A. Computer Science
B.A. Molecular and Cell Biology: Biochemistry
Minor in Bioengineering
Class of 2021 | Berkeley, CA

WEBBER ACADEMY
Class of 2017 | Calgary, Canada

COURSEWORK

COMPLETED
BIOENG 131: Introduction to Computational Molecular and Cell Biology
CS61A: Structure and Interpretation of Computer Systems
CS61B: Data Structures
CS70: Discrete Mathematics and Probability Theory
CS170: Efficient Algorithms and Intractable Problems
CS188: Introduction to Artificial Intelligence
CS370: Introduction to Teaching Computer Science
EE16A: Designing Information Devices and Systems I
Math 53: Multivariable Calculus
MCB 140: General Genetics

IN PROGRESS
BioE 101: Instrumentation in Biology and Medicine
CS61C: Machine Structures
MCB C100A: Biophysical Chemistry

SKILLS

PROGRAMMING LANGUAGES
Java • Python • C • Biopython • Flutter
SQL • Lisp(Scheme) • Javascript • ReactJS
HTML/CSS • C++

DEVELOPER TOOLS
MongoDB • Firebase • AWS • Git
Jupyter Notebook

LANGUAGE
English • Korean • French

LINKS
GitHub:// **katiejk99**
LinkedIn:// **katiekim99**

EXPERIENCE

PRODUCT DEVELOPMENT @ BERKELEY
Project Manager, Account Manager
January 2020 - Present | Berkeley, CA
- Lead the consulting team for Lunchable, Inc's mobile app, managing backend development, frontend software engineering, and data analysis. (See Lunchable).
- Responsible for reaching out to companies to source consulting projects for the upcoming Fall 2020 semester.

POLITICAL COMPUTER SCIENCE @ BERKELEY
Project Manager, Internal Vice President
September 2018 - December 2019 | Berkeley, CA
- As a PM, managed a team of 6 members and oversaw weekly project meetings and workshops. (See Opioid Crisis).
- As IVP, managed finances and budget (including grant writing), facilitated weekly internal meetings for the whole club, and organized social events to overall foster a positive social environment for club members.

UC BERKELEY EECS DEPARTMENT
Academic Intern
June 2018 - Present | Berkeley, CA
- Tutored CS61A students one-on-one 3 hours per week through CS370 in Fall 2019.
- Assisted students in coursework for CS61A: Structure and Interpretation of Computer Programs in Python, SQL, and Scheme in weekly labs as well as office hours since the Fall 2018 semester.
- Assisted students with coursework for CS10: Beauty and Joy in Computing in Snap! as well as Python in the lab setting during the Summer 2018 semester.

NOTABLE PROJECTS

LUNCHABLE Spring 2020 | PD@B, consulting for Lunchable, Inc.
- Integrated a chat feature on the Lunchable mobile app for matched users.
- Built a new feature for users to create new interest groups within the Lunchable mobile app.
- Processed thousands of data points and wrote a matching algorithm to match people in pairs or groups of 4 for virtual meet-ups during the 2020 COVID19 shelter-in-place order.

OPIOID CRISIS Fall 2019 | PCS @ Berkeley
- Created a ReactJS webapp to visualize regions affected by the opioid crisis using a graphical representation of the world using D3.js.

ROLL CALL Spring 2019 | PCS @ Berkeley
- Created an open source Python package to visualize and analyze voting blocs in the US Congress using a graphical representation of the Congress and clustering algorithms such as Louvain and Markov.

ENGINEERING ACTIVISM Fall 2018 | PCS, consulting for Gather Activism
- Created a hybrid feature-based/collaborative recommender system for legislature using Python.
- Built an API hosted on AWS that predicts which recent pieces of legislature a user is likely to take interest in based on the user's past interests.