

# RAYMOND LUI

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## EDUCATION

### ***University of California, Berkeley***

BS in Electrical Engineering and Computer Sciences & Minor in Data Science

- Expected graduation in May 2023
- 3.8 GPA
- Relevant Coursework: Structures and Interpretation of Computer Programs (CS 61A), Data Structures (CS 61B), Great Ideas in Computer Architecture [Machine Structures] (CS 61C), Discrete Mathematics and Probability Theory (CS 70), Efficient Algorithms and Intractable Problems (CS 170), Introduction to Database Systems (CS 186), Foundations of Data Science (DATA 8), Principles and Techniques of Data Science (DATA 100), Probability for Data Science (DATA 140)

## PROJECTS

### ***Bubble*** August 2020

- Designed and created a mobile app which keeps track of who is in your “social bubble” and records COVID-19 test results
- Developed front end with React Native, stored data using Google Cloud NoSQL Firestore

### ***Spam or Ham?*** November 2020

- Performed exploratory data analysis with Pandas on a large email dataset
- Used scikit-learn to train a logistic regression model to classify emails as spam or not spam

### ***Gitlet*** May 2020

- Implemented a version-control system that mimics basic features of Git like branching and merging
- Wrote unit and integration tests for debugging

### ***NumC*** November 2020

- Built a simple version of numpy and wrote Python-C interface
- Incorporated SIMD and thread-level parallelism for performance speedup

## EXPERIENCE

### ***Undergraduate Student Instructor (TA), UC Berkeley, Data Science***, June 2021 - Present

- Taught weekly labs and discussions of about 30 students
- Instructed concepts including A/B testing, classification algorithms, and data visualizations

## SKILLS

- Java, Python, C, Git, React Native, Pandas, SQL, scikit-learn, NoSQL
- Fluent in Cantonese, working knowledge of Mandarin
- Piano, basketball, cooking, Just Dance