

Romain Priour

Email: rpriour17@gmail.com Website: <https://rpriour17.github.io>
Github: <https://github.com/rpriour17> Mobile: +1-805-791-8378

Education

University of California, Berkeley – B.A., Computer Science

Expected Graduation: **May 2022**

GPA: 3.436/4.0

Relevant Coursework: Discrete Math and Probability (70), Principles and Techniques of Data Science (C100), Data Structures and Algorithms (61B), Introduction to Computer Programming for Scientists and Engineers (E7), Foundations of Data Science (C8), Linear Algebra and Differential Equations (Math 54), Physics for Scientists and Engineers (Physics 7A/7B), Multivariable Calculus (Math 53)

Professional Experience

UC Berkeley EECS

Aug 2020-Present

Undergraduate Student Instructor: CS 61B

UC Berkeley

- Taught biweekly labs and sections of around 30 students and held office hours biweekly.
- Proctored and graded exams for a class of over 1200 students.
- Helped with quality assurance for exams, lab assignments and discussion worksheets.
- Updated the auto grader's API communication to our course website Beacon for a written assignment.
- Handled student issues with Git repositories and privacy/access rights.

Savvy Dating App, LLC

Apr 2020-Present

Software Developer

Remote Job

- Altered the player searching matching algorithm to fix issues due to player age and location.
- Created a data analytics dashboard using the Flask Python framework which connects to the app's MySQL database and displays daily active users and player demographic data.
- This dashboard displayed data such as age ranges, gender distribution, daily and monthly player counts for over 10,000 users.
- Created a banning feature to block players that have been reported multiple times.

Projects

Gitlet

May 2020

CS 61B: Data Structures and Algorithms

- Implemented a version control system written in Java, similar to Git.
- Includes support for functions like adding, committing, merging branches, and remote support for pushing/pulling files.

Spam/Ham

Nov 2020

Data 100: Principles and Techniques of Data Science

- Created a Logistic Regression model which classifies emails as spam or not (ham), with a 93% accuracy.
- Conducted feature engineering to determine the best features to use.

Organizations

Sports Analytics Group at Berkeley (SAGB)

Jan 2020-Present

Webmaster and Projects Division Member

- Design and maintain sportsanalytics.berkeley.edu. This involves updating forms and adding up to date articles.
- Currently working on redesigning the website using an HTML/CSS template.
- Used K-Means Clustering to redefine NBA positions and find the most effective team composition.
- Used Python to scrape data from basketball-reference.com and used Principal Component Analysis to reduce the dimensionality of the data.

Technical Skills

- **Languages:** Python (5/5), Java (5/5), JavaScript (3/5), SQL (3/5), MATLAB (2/5)
- **Web/Frameworks:** HTML (5/5), CSS (3/5), React (2/5), Node.JS (2/5), Pandas/Matplotlib (5/5), SkLearn (3/5), Flask (2/5), jQuery (2/5)
- **Software:** Git (5/5), Excel (3/5), LaTeX (2/5), Vim (2/5)
- **Spoken Language:** Fluent in French