Romain Priour

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Education

University of California, Berkeley – Bachelor of Arts, *Computer Science*   Expected Graduation: **May 2022**

Technical Skills

- **Proficient**: Python, Java, JavaScript, HTML5/CSS, SQL/PostgreSQL, React.JS, Flask, Pandas, Git, Unix/Shell, REST APIs
- **Familiar:** Node.JS, C/C++, MATLAB, Microsoft Excel
- **Spoken Languages:** Fluent in French

Professional Experience

SAP   **Apr 2021-Present**
Full Stack Software Engineer Intern   *Palo Alto, CA*
- Engineered a platform with a React frontend and a Python Flask backend to match new grad hires to engineering teams as part of SAP's rotational program, SAP Next Talent, improving process efficiency by 60% and impacting over 200 individual SAP employees.
- Designed a PostgreSQL relational database schema and utilized SQLAlchemy to implement the database for this platform, which leverages over 1000 data points.
- Utilized SAP Cloud Foundry to migrate this customized platform and its database from development phase to production.
- Influenced new development methodology to senior and executive leadership based on initial project scope.
- Generated end-to-end project roadmap through various medias for the enablement of future project adoption and current maintenance.

UC Berkeley EECS   **Aug 2020-May 2021**
Teaching Assistant: CS 61B, Data Structures and Algorithms   *Berkeley, CA*
- Conducted biweekly office hours and taught weekly labs and discussion sections of around 30 students.
- Proctored and graded exams for a class of over 1600 students.
- Completed quality assurance tests for exams, lab assignments and discussion worksheets.
- Upgraded the auto grader's API queries to our course website for written assignments, boosting grading efficiency.
- Resolved student issues with Git repositories and privacy/access rights.

Savvy Dating Game   **Apr 2020-Dec 2020**
Software Developer   *San Francisco, CA*
- Solved major bugs related to state management in the application's Node.JS backend.
- Upgraded the searching algorithm to gradually increase the search radius by 25 miles if no games are found.
- Engineered a data analytics dashboard using the Python Flask framework which pulls data from the app's MySQL database and displays daily active users and demographic data for over 10,000 players.
- Designed a banning feature in JavaScript to block players that have been reported over 3 times, which has been used to report over 100 players.

Academic Projects

Gitlet (Java)
- Implemented a version control system with support for functions like adding and committing files, creating and merging branches, and remote support for pushing and pulling files.

Organizations

Sports Analytics Group at Berkeley (SAGB)   **Jan 2020-Dec 2020**
Webmaster and Projects Division Member   *Berkeley, CA*
- Designed and maintained sportsanalytics.berkeley.edu, which involved updating forms and adding new articles to the main page.
- As part of the Projects Division, utilized a K-Means Clustering algorithm to redefine NBA positions and find the most effective team composition.
- Created a Python script to scrape over 10,000 lines of CSV data from basketball-reference.com and conducted principal component analysis to reduce the dimensionality of the data.