Emmanuel Cobian

650-703-3432 | emmanuel12310@berkeley.edu | linkedin.com/in/emmanuel-cobian | github.com/EmmanuelCobian

Education

University of California, Berkeley — Berkeley, CA
Bachelor of Arts in Computer Science – GPA: 3.8 — *Aug 2020 – May 2024*

Technical Skills

Languages: Python, Java, C/C++, SQL, JavaScript, HTML/CSS, Go
Frameworks: React, Next.js, Node.js, JUnit, WordPress, Bootstrap
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, SciPy, Scikit-learn, OpenMP

Experience

Software Developer — May 2023 – May 2024
UC Berkeley MBA Program for Executives — *Berkeley, CA*
- Developed a Next.js based web application that enables users to efficiently create personalized teams according to their unique needs, reducing task completion time by over 400 times
- Built an approximation algorithm to generate optimally balanced teams based on user-defined priorities such as team size, gender, experience levels, and work history
- Worked and collaborated alongside other departments on campus to expand the original scope of the project to encompass their teams and unique needs, including new criteria and data layouts

Web Developer — Jun. 2023 – Jul. 2023
The Green Janitorial Corporation — *San Mateo, CA*
- Worked as a freelancer to create and develop a responsive website for a small business using HTML, CSS, Next.js, and Bootstrap. thegreenjanitorial.com
- Optimized the site for SEO and fast load times, improving search engine visibility and enhancing the user experience
- Communicated and worked alongside company owners to discuss project goals, steps, and timeline

Tech Fellow — Sep. 2021 – May. 2023
UC Berkeley Career Center — *Berkeley, CA*
- Tested and implemented a Python script using BeautifulSoup and Selenium to scrape content from over 1000 employer websites to search for DEI Employment keywords
- Parsed, analyzed, and visualized data sets with over 200,000 data points using the pandas library in Python to provide tangible and understandable solutions to an audience of team members with limited technical knowledge
- Developed an interactive employee on-boarding web page using HTML/CSS, enhancing the user experience while streamlining the on-boarding process

Data Challenge Finalist — Mar. 2022 – Sep. 2022
Meta — *Remote*
- Explored, analyzed, and aggregated large data sets utilizing Python to provide actionable information, and create intuitive visualizations to convey those results to a broad audience
- Presented a data-driven product pitch, which included data visualizations, business strategy, and recommendations to Data Scientists and Data Engineers

Projects

Rate My Classes | *React, NextAuth.js, Python, MySQL, Selenium, BeautifulSoup, Git* — Dec. 2023
- Lead the development of a full-stack web application that enables UC Berkeley students to rate and review their classes across criteria like course load, usefulness, and overall difficulty
- Implemented OAuth for Google and Github to create, fetch, and update user profiles
- Developed an express.js server to handle API requests and implemented a relational database to store user data, including login information, reviews, and ratings
- Won 1st place during the project presentation in front of instructors and students

Exposify | *Spotify API, React, Next.js, Git* — Jun. 2023
- Built a web application that connects to the Spotify API and analyzes a user's top artists and playlists to provide personalized music insights
- Created a backend server using Next.js API routes to call the Spotify API and process data to generate musical profiles and analysis for logged-in users