# Jake Webster

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## EDUCATION

**University of California, Berkeley**                                                                                 Berkeley, CA

*Bachelor of Arts: Computer Science*                                                                                         *May 2023*

*Bachelor of Arts: Economics*

- ❏ Honors: Kraft Award for Freshmen in recognition of strong academic performance.
- ❏ GPA: 3.89/4.0
- ❏ [High School GPA: 3.94/4.0; SAT: 1540/1600]
- ❏ Activities: NextGen Consulting, Intramural athletics, Participant at the Experimental Social Science Laboratory.
- ❏ Relevant Coursework: Data Structures, Designing Information Devices & Systems II, Microeconomic Analysis

## PROFESSIONAL & LEADERSHIP EXPERIENCE

**NextGen Consulting**                                                                                                       Berkeley, CA

*Project Manager*                                                                                        *December 2020 - Present*

*Senior Analyst*                                                                                 *September 2019 - December 2020*

NextGeneration Consulting (NGC) is a student-run management consulting organization that provides relevant recommendations in marketing strategy, financial modeling, consumer insights, and business development.

- ❏ As an analyst, I work to provide concrete, data-driven recommendations to clients in a wide variety of industries.
- ❏ Used R to demonstrate key elements of startup success to an incubator.
- ❏ Created customer profiles and marketing frameworks to assist a blockchain-based startup.
- ❏ Conducted market research and competitor analysis to help a large social network find a way to deliver relevant content to users.

**Education For All**                                                                                           Mountain View, CA

*Co-Founder, Vice President of the Board of Directors*                                                *April 2018 - June 2019*

- ❏ Achieved 501(c)(3) recognition from the Internal Revenue Service in the spring of 2018.
- ❏ Partnered with HydroBlu and raised $3000 to go to water filters for Puerto Rico in the aftermath of Hurricane Maria.
- ❏ Donated over 120 pounds of school supplies to the Centro Educativo Bilingue Iluxmukane in Tecpan, Guatemala.

## PROJECTS

**Java**

- ❏ Implemented a K-D Tree and a MinHeapPQ along with the A* algorithm for graph traversal to create a simple mapping application for the City of Berkeley that could find the shortest route between two locations in the city.
- ❏ Along with a partner, created a pseudorandom world-generating algorithm as a part of an interactive game in which players sought to avoid and eventually defeat intelligent enemies that chased them through the world.

**Python**

- ❏ Created an interpreter for Scheme, a dialect of Lisp, that served as a compiler and executor of entered Scheme expressions.
- ❏ As part of a larger project aimed at creating a neural network to predict stock performance, made a web scraper that parsed SEC filings to calculate important financial metrics to write to Excel.