

Jacob Bueno

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EDUCATION

The University of California, Berkeley, CA May 2026 Bachelor of Arts in Data Science with emphasis in Business

Relevant Coursework: **CS 61A:** Structure & Interpretation of Computer Programs (**Python, SQL**), **CS 61B:** Data Structures (**Java**), **DATA 8:** Foundations of Data Science (**Python**), **MATH 54:** Linear Algebra & Differential Equations, **CS 70:** Discrete Math and Probability

SKILLS

Languages: Advanced: Python. Proficient: JavaScript, CSS, HTML, C#, Java, SQL, Scheme

Libraries: Pandas, OpenCV, NumPy, Sys, Math, Random, OS, JSON, Asyncio, UnitTest, Tkinter

HIGHLIGHTED PROJECTS & EXPERIENCE

Code Coach *The Coder School - Berkeley Sept. 2022 - Dec. 2022 ~ 4 months*

- During my time in this position I had an amazing time teaching young children how to code from beginners using Scratch to more advanced kids using Python and Java.

Age and Gender Recognition (Python/OpenCV/Argparse) *Personal Project*

- An age and gender recognition program that utilizes AI as well as deep neural networks to analyze either a live video or a picture, allowing for multiple faces.

Neolithic Combat (Unity/C#) *Game Design and Development @ Berkeley*

- 2D rogue-like single player game created in Unity using C# scripts.

2048 (Python) *Personal Project*

- Utilized object-oriented programming principles to engineer a replica of the game 2048.

Snake (Python) *Personal Project*

- Developed and utilized instance and class methods to replicate the classic game of snake.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

UC Berkeley Pioneers in Engineering Spring 2023 - Present *UC Berkeley Organization*

- A student-run non-profit organization on campus that is devoted to teaching high school students about coding and robotics through fun and interesting competitions between multiple schools.
- Member of Shepherd branch which specializes in developing and creating programs that run the game field during competitions. Things include the game GUI, the scoreboard, and team bracket which I personally worked on.

Big Ideas at Berkeley 2023 - UC Berkeley

- A competition for start-ups in Berkeley that need extra help to get started; worked on two apps to better the wellbeing of others.
- I worked on this project with students from various universities including Cal, MIT, Harvard, Stanford, and Yale.