

Ludovico Federici

+1 (510) 604-6727 | ludofederici@berkeley.edu | ludovicofederici.com | [LinkedIn](#) | [GitHub](#)

Inspired by my global perspective and constant striving for balance in life, I am committed to leveraging technology to optimize both mental and physical well-being. I bring to the table a unique blend of technical expertise, a business mindset, and a genuine passion for creating solutions that empower individuals and better society.

EDUCATION

University of California, Berkeley | Berkeley, CA Exp. Dec 2024
B.A. Computer Science, B.A. Cognitive Science, Minor in Data Science (3.973 GPA)

- **Awards and Recognitions:** Nova 111 Italy Student List, Sutardja Center Certificate in Entrepreneurship & Technology, Cal Alumni Association Leadership Scholar (2023/2024), Dean's List (5/5 semesters), Honors To Date
- **Relevant Coursework:** Operating Systems, Efficient Algorithms, Database Management Systems, AI for Healthcare
- **Organizations:** [Neurotech@Berkeley](#), [NextGen Consulting at UC Berkeley](#), [Nova Talent](#), [LeadTheFuture](#)

Sevenoaks School | Sevenoaks, United Kingdom Aug. 2019 – May 2021
IB Diploma: HL Mathematics (Analysis), Physics, Economics (45/45 IB, 1570 SAT)

SOFTWARE DEVELOPMENT SKILLS

Programming Languages: Python, Java, C, SQL, SCSS, CSS, HTML, JavaScript, RISC-V, Dart, x86 assembly, MQL.
Libraries & Tools: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Pytorch, OpenCV, Git, OpenMP, CuPy, RAPIDS.

WORK EXPERIENCE

NVIDIA | Berkeley, CA Jan. 2023 – May 2023
Project Manager Contract (NextGen Consulting)

- Managed and inspired team of 5 to assist NVIDIA's integration of LLMs & ML to solve inefficiencies of clinical trials.
- Interviewed 30+ industry experts to identify 4 areas of growth & B2B GTM strategies in \$1.7B SAM for NeMo LLM.

Neurode | Berkeley, CA Jan. 2023 – May 2023
Software Developer (Neurotech@Berkeley)

- Partnered with Australian Startup in the creation of a drug-free solution to ADHD focused on brain stimulation.
- Developed 5 games with Flutter to test focus & eye-tracking algorithm with OpenCV to monitor gaze (1° accuracy).

Cruuz | Berkeley, CA May 2022 – Aug. 2022
Software Engineering Intern

- Integrated platform into Google Reserve to supply merchant and availability feeds for processing and booking.
- Co-led development, staging, and production of UI/UX website re-design to increase session length by 30%.

TECHNICAL PROJECTS

PintOS Kernel Enhancement | C, x86 assembly

- Manipulated system-level code to support user programs, multi-threading, and virtual memory management.

CNN Model to Assess Severity of Breast Cancer from Biopsy Images | Python, scikit-learn, Seaborn

- Built 10-epoch model (87% testing accuracy) to predict future likelihood of breast cancer from Nightingale Dataset.

Portfolio Website | SCSS, CSS, HTML, JavaScript

- Designed and developed a website to showcase my academic, professional, and personal life (at ludovicofederici.com).

Database Management System Implementation | Java, SQL, NoSQL

- Optimized DBMS with B+ trees, join algorithms, query optimization, multigranularity locking, and database recovery.

LEADERSHIP EXPERIENCE

NextGen Consulting | Berkeley, CA May 2023 – Dec 2023
Vice President of Client Relations

- Led marketing outreach to 100+ potential clients to identify 5 projects - Intel 2x, Electronic Arts, Palantir, Discover.
- Onboarded 10 Project Managers and overlooked the development of all projects, increasing NGC's earnings by 400%.

OTHER

Languages: English (native), Italian (native), Spanish (fluent), French (fluent), Arabic (Beginner).
Interests: Fitness (Weights & Climbing), Volunteering in DR, Traveling to Asia, Reading Mindset Books, Watching Inter.