Leo Villani

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leov974.github.io

EDUCATION

University of California, Berkeley — Berkeley, CA
BA Pure Mathematics and Data Science *GPA: 3.862* — Aug 2021 - May 2025

WORK EXPERIENCE

IBM — New York, NY
Research Intern — June 2020 - August 2020

- Performed data analysis and programmed a virus simulator to model potential COVID-19 outcomes and examine double-peaking

CompatibL — Kyiv, Ukraine and Warsaw, Poland
Intern — June 2018 - July 2018

- Performed data analysis of financial time series

UC Berkeley, Department of Machine Learning — Berkeley, CA
Intern — June 2019 - July 2019

- Performed data analysis on Twitter data with a proprietary Web crawler

Wyzant — Berkeley, CA
Tutor — April 2022 - Present

- Preparing students for SAT Math, ACT Math, and AP/college level math classes

UC Berkeley, Department of Mathematics — Berkeley, CA
Peer Advisor — September 2022 - Present

- Holding office hours, organizing events, and giving academic guidance to freshmen in the math major

Insieme Onlus — Salerno, Italy
Volunteer — July 2017 - Present

- Volunteering at a community home for teenagers teaching them English and math

RELEVANT COURSEWORK

Math 53 (Multivariable Calculus) - A

Math 54 (Linear Algebra) - A+

Math 55 (Discrete Mathematics) - A+

Math 128A (Numerical Analysis) - A+

Math 110 (Upper-Division Linear Algebra) - In progress

Math 113 (Abstract Algebra) - In progress

SKILLS

Programming Languages: Python, MATLAB, SQL, HTML, CSS, MS Suite, Maya (3D)
Languages: English, Italian, Spanish

AWARDS

Bronze Medal — MathCON
April 2019