

# Joshua Rosen

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## EDUCATION

**University of California, Berkeley**

**Expected May 2025**

B.A. Data Science and Statistics

GPA: 3.67; Major GPA: 3.75

Relevant Coursework: Time Series, Optimization, Inference Seminar, Data Structures, Principles of Data Science, Bayesian Data Analysis and Machine Learning, Concepts of Probability, Multivariable Calculus, Linear Algebra

**High School, Port Washington, NY**

GPA: 5.01 | **May 2021**

Awards: AP Scholar with Distinction, National Latin Exam Silver Medalist and Maxima Cum Laude

Activities: Math Honors Society President, Latin Club President, Varsity Volleyball: 2x Captain and 2x MVP

## PROFESSIONAL EXPERIENCE

**WellCloud.ai** | Machine Learning Intern

Berkeley, CA | **May - Sept. 2023**

- Developed script to effectively clean, parse, and filter 100,000+ FHIR-compliant health records
- Built out backend graph database using Neo4j and python to decrease chatbot feedback by 32%
- Created ML algorithms to identify anomalies with an accuracy of 98% to aid in early detection
- Supported the development of an OCR engine and autocomplete function to scan in user health records

**Undergraduate Research Assistant** | Data Science Discovery

Berkeley, CA | **Sept. - Dec 2023**

- Working with the Berkeley Unified School District (BUSD) to use CAASPP and Smartr balance test scores to better understand the achievement gap between racial and wealth groups within the public school system
- Cleaned, analyzed and visualized ten years of data to create a plan to close the gaps between these groups
- Created a script to allow the BUSD to recreate visualization year over year to assess their academic programs
- Presented visualizations and findings to the Parent Advisory Committee and school board on Dec 14, 2023

**Menteere** | Business Analytics Intern

Remote | **May - Sept. 2022**

- Created social media ad and Google PPC ad campaigns to increase daily website viewers by 1500+ views
- Constructed targeted LinkedIn and email campaigns to gain 2 partner learning centers in the Bay Area
- Led workshop with 500 potential users to explain company mission and demo the EdTech platform

**Great Neck Pediatrics** | Data Processing Intern

Great Neck, NY | **May - Aug. 2022**

- Developed and executed process to streamline writing of doctor's notes and prescription for 3,000+ patients
- Implemented new organizational system for processing school immunization forms that decreased average turn-around time by 3 days

## LEADERSHIP AND EXTRACURRICULARS

**Medical Technologies at Berkeley** | VP of Education

Berkeley, CA | **Jan 2024 - Present**

- Competed in the UBC Ovarian Cancer Subtype Classification and Outlier Detection Kaggle Competition
- Teaching course on medical technology basic, techniques and advancements to 30 new club members
- Co-authored paper on club-wide education process in the INTED2024-Valencia International conference

**Men's Club Volleyball** | Vice President

Berkeley, CA | **Sept. 2021 - Present**

- Plan annual Cal Classic Tournament, creating schedules for 30+ teams and coordinating referees
- Manage and oversee transactions for total budget of over \$20,000, including flights, hotels and referees
- Earned All-Tournament First Team at the 2022 Far-Westerns Tournament: 2x 1<sup>st</sup> team NCCVL All Conference: Top-10 finish at the USA Men's Club Volleyball National Championships

## SKILLS AND INTERESTS

Skills: Python, Java, NumPy, R, SQL, Pandas, Git, Matplotlib, Seaborn, Sklearn, Neo4j, Plotly, Keras, Pytorch

Interests: Grass Volleyball, Campfires and S'mores, Reading in a hammock, Vinyl, Exploring new hiking trails