

# 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: Data Engineering, Optimization Methods, 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

### KPMG US | Data Engineering Intern

McLean, VA | May 2024 - Present

- Worked closely with a team of eight data analysts to transfer 115 tables and 3 million HR records from an outdated data warehouse into Azure Data Lake using databricks and alteryx workflows for data validation
- Created data pipelines from the Azure Data Lake into Visier to create dashboards for C-level executives
- Compiled an internal repository of all Enterprise Data Services projects finished since the COVID pandemic

### 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

### Data Science Discovery Program | Undergraduate Research Assistant

Berkeley, CA | Sept. - Dec 2023

- Working with the Berkeley Unified School District (BUSD) to use CAASPP and Smarter 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

### 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 and day camp immunization forms that decreased average turn-around time for patients by 3 days

## LEADERSHIP AND EXTRACURRICULARS

### Medical Technologies at Berkeley | President

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 a 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