

Vansh Harkawat

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EDUCATION

University of California, Los Angeles

Los Angeles, CA

B.S. in Mathematics of Computation

Expected December 2025

Relevant Coursework: Calculus of Several Variables, Linear Algebra and Application, Discrete Structures, Introduction to Computer Science, Introduction to Algorithms and Data Structures, Introduction to Data Science, Differential Equations, Introduction to Probability and Statistics, Theory of Interest and Applications

HONORS

BP Future Talent Scholarship Recipient - Trading and Shipping, 2nd Annual SoCal College Poker Tournament Selected Competitor, Selected Participant Trading Discovery Day at Susquehanna International Group (SIG), Yale Science and Engineering Award, Conrad Challenge Alternate Finalist, International Medicine Olympiad 2nd Place Team, Virtual Insights Series at Goldman Sachs, Career.edYOU Academy at JPMorgan Chase & Co.

WORK EXPERIENCE

Prudential Financial

Newark, New Jersey

Data Analytics Intern

June 2024 - August 2024

- Established an agile data visualization system to track market competitiveness and mitigate potential firmwide risk
- Leveraged Python, Pandas, HTML, and CSS for development, resulting in analysts saving 50+ hours annually
- Communicated with senior leaders to enhance dashboard performance, increasing efficiency of software by 82%

PCI Energy Solutions

Norman, Oklahoma

Software Engineer Intern

June 2023 - December 2023

- Developed a Python visual reporting system for Fortune 500 Utility companies to track financial performance
- Utilized technologies such as Python, HTML, CSS, Plotly Dash, NumPy, Pandas, Flask, React, and Bootstrap for full-stack development, saving energy analysts 1000+ hours annually with the dashboard's agile capabilities
- Streamlined Oracle and PostgreSQL database management which helped increase efficiency of software by 90%
- Worked with the Regional Transmission Organization Markets team for software testing and energy asset tracking
- Implemented complex logic with Python to allow users to have the most recent day-ahead and real-time projections
- Collaborated in sessions with clients to showcase software capabilities for potential acquisition of new business

Wyzant

Remote

Private Tutor

July 2022 – Present

- Work as a private math tutor in areas such as Algebra 1&2, Geometry, Pre-Calculus, AP Calculus, and SAT Math
- Received multiple 5 star ratings for my tutoring services and have provided 80+ hours of tutoring through Zoom

CAMPUS INVOLVEMENT

Bruin Stock Group

Los Angeles, CA

Director of Quantitative Research

October 2022 – Present

- Lead a team of skilled quantitative researchers in crafting Python scripts for stock comparisons through analysis of financial statements, OHLC charts, and macroeconomic factors, guiding investment choices for a \$140K fund
- Organize weekly lectures on fundamental analysis, market updates, and trading strategies with financial products

Bruin Capital Management

Los Angeles, CA

Trader

October 2022 – October 2023

- Optimized IMM paper trading account through analysis of 10K/10Q, financial statements, and public comparables
- Established detailed investment reports for specific companies in renewable energy and space exploration sectors

SKILLS

Skills: Python, C++, Java, Matplotlib, Pandas, TensorFlow, NumPy, Scikit-Learn, Microsoft Office, Google Workspace, VBA, R, LaTeX, Plotly Dash, SQL, HTML, CSS

Languages: English, Hindi, Spanish (Proficient)