Vikram Srinivasan

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Objective

Statistics student looking for a Teaching Assistantship

Experience

Fall 2017-Fall 2019	**Volunteering** Technical Support Helped Library Guests Connect to Internet, Print Documents, and Otherwise Use Their Computers
Summer 2020	**Teaching** Introduction Coding Class in Python Covered Input/Output, Lists, If/Else, and Loops
Summer 2021	**Teaching** Data Analysis with Python Covered Numpy, Matplotlib, Pandas Dataframes, and Simple Statistics
Summer 2022	**Research** Internship at De Novo Software Prepared reports on t-SNE, UMAP, and the PHATE dimensionality reduction algorithms.
Summer 2023	**Research** Internship at De Novo Research Developed and ran simulations of Flow Cytometry data, unmixed with various weighted least squares algorithms.
Fall 2024-Spring 2025	**Teaching** Introduction to Statistics (STAT5) Employed as a teaching assistant for STAT5 for 3 quarters.

Education

2020-2024	UC San Diego, B.S. Mathematics
	Major GPA - 3.7
2025-Current	UC Santa Cruz, PhD Statistics
	GPA - 3.8

Relevant Coursework

Spring 2020	CS 10 - Introduction to Python
Fall 2020	CSE 11 - Introduction to Programming
Winter 2021	CSE 12 - Data Structures and Object Oriented Design
Spring 2021	ECE 15 - Engineering Computation
	MATH 102 - Applied Linear Algebra
Fall 2021	MATH 180A - Introduction to Probability

	MATH 140A- Foundations of Real Analysis I
Winter 2022	MATH 181A - Mathematical Statistics I
	MATH 170A - Numerical Analysis: Linear Programming
	MATH 140B - Foundations of Real Analysis II
Spring 2022	MATH 181B - Mathematical Statistics II
	DSC 190 - Introduction to Machine Learning
	MATH 140C - Foundations of Real Analysis III
Fall 2022	MATH 287D - Statistical Learning (Graduate)
	LIGN 167 - Deep Learning/Natural Language
Winter 2023	MATH 181E - Mathematical Statistics - Time Series
	MATH 180B - Introduction to Stochastic Processes I
	MATH 287B - Multivariate Analysis (Graduate)
	MATH 171A - Introduction to Numerical Optimization/Linear Programming
Spring 2023	MATH 180C - Introduction to Stochastic Processes II
	MATH 171B - Introduction to Numerical Optimization/Nonlinear Programming
	MATH 185 - Introduction to Computational Statistics
Fall 2023	MATH 190A - Foundations of Topology I
Winter 2024	MATH 103A - Modern Algebra I
	MATH 112A - Mathematical Biology I
	MATH 287A - Advanced Time Series Analysis (Graduate)
	MATH 199 - Independent Study - Multivariate Analysis

Programming Languages

Python | R | Fortran | C | Java | MATLAB | Bash | Latex | HTML

Spoken Languages

English - Native Speaker

Spanish - B1 Level

Work Status

U.S. Citizen