Nitin Shyamkumar

Contact

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Education

2020 -	**New York University** Courant Institute of Mathematical Sciences Ph.D., Computer Science GPA n/a
2013 - 2017	**Cornell University** College of Arts and Sciences B.A. Mathematics, B.A. Computer Science GPA 4.01

Coursework

Algorithms* • Foundations of Machine Learning* • Algorithmic Game Theory* • Dynamical Systems • Stochastic Processes • Operating Systems • Honors Analysis • Linear Algebra • Combinatorics • Honors Mechanics • Honors Waves and Thermodynamics

*Graduate

Publications

Shyamkumar, Nitin, Siddhartha Banerjee, and Peter Lofgren
"Sublinear estimation of a single element in sparse linear systems"
2016 54th Annual Allerton Conference on Communication, Control, and Computing (Allerton) . IEEE, 2016

Bollu, Tejapratap, Samuel C Whitehead, Nikil Prasad, Jackson Walker, **Nitin Shyamkumar**, Raghav Subramaniam, Brian Kardon, Itai Cohen, Jesse H Goldberg
"Automated home cage training of mice in a hold-still center-out reach task."
Journal of Neurophysiology . 121(2), 500-512, 2019

Experience

2017 - 2020	**Applied Predictive Technologies** Senior Software Engineer Built statistical modeling pipelines in C#, SQL, C++ and R
2016 - 2017	**Siddhartha Banerjee, ORIE** Research Assistant Worked on problems in randomized Personal PageRank
2014 - 2015	**Jesse Goldberg, Comparative Systems Neuroscience Lab** Research Assistant Analyzed trajectory data, built software and hardware infrastructure, and contributed to experiment design

Awards

2020	MacCracken Fellowship
2017	Phi Beta Kappa
2013	Tanner Dean's Scholar

Teaching

2017	CS 4820, Analysis of Algorithms, Robert Kleinberg
2016	CS 4700, Artificial Intelligence, Bart Selman

Volunteer

2017 - 2020   Black APT Employees (BAE)
Cofounder of employee resource group dedicated to improving recruitment and experience of black employees