

SHANTANU JOSHI

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EDUCATION

NEW YORK, NY Sep 2013 - May 2016	NEW YORK UNIVERSITY, LEONARD N. STERN SCHOOL OF BUSINESS <i>B.S. Business, Concentration: Statistics</i> <i>B.S. Computer Science</i> <ul style="list-style-type: none">Graduated in 3 Years; John Stevenson Leadership & Community Building Award
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PROJECT AND RESEARCH

NEW YORK, NY Apr 2016 - Present	NATURAL LANGUAGE PROCESSING OF MERGERS AND ACQUISITIONS REPORTS <ul style="list-style-type: none">Built a news-parser for a prop trading specialist on the NYSE; results were exported to SQLWrote Python scripts to transform data into a trainable format, and trained data using Stanford's named entity recognizer with tagged data from the Automatic Content Extraction (ACE) Project
NEW YORK, NY Mar 2016 - Present	BENCHMARKING THE SIEVE OF ERATOSTHENES ON NVIDIA'S PASCAL ARCHITECTURE <ul style="list-style-type: none">Implemented the Sieve of Eratosthenes in C for parallelization with OpenMP & CUDABenchmarking the program on Nvidia's new GPUs in a multi-GPU config in Linux
NEW YORK, NY Mar 2016 - Jun 2016	ANALYTICS FOR THE STERN OFFICE OF STUDENT ENGAGEMENT (OSE) <ul style="list-style-type: none">Consulted with OSE on how to utilize and analyze club activity data for student outreachSpearheaded the first student-run SQL Server for a faculty project; created an instance on a private server, and taught a group of students SQL and Microsoft Access to analyze data
NEW YORK, NY Sep 2015 - Nov 2015	ABACUS: PYTHON BASED ATTENDANCE TRACKER <i>TECHNOLOGIES: Python (Numpy, Pandas, xlrd)</i> <ul style="list-style-type: none">Worked with my partner on automating attendance tracking that was traditionally cumbersome and was completed in ExcelThe program reads formatted excel files using xlrd, creates data frames in Pandas, then tracks individual student attendance with a Numpy function run across the data frame
NEW YORK, NY Jan 2015 - Mar 2015	MACHINE LEARNING BASED VOLATILITY PREDICTOR <ul style="list-style-type: none">Used Weka & Java to fit various classification models to a set of stock ticker data to build a volatility predicting tool using indicators like company size, market cap, etc.

EXPERIENCE

NEW YORK, NY Jun 2016 - August 2016	S.A. TECHNOLOGIES - Intern, Part Time Consultant <ul style="list-style-type: none">Built time series and classification models with PySpark and Weka for a client's supply chainWrote an API for importing Magento product catalogs with a point of sale provider, tuned performance on AWS, and helped improve site load times
May 2015 - Aug 2015	<i>Predictive Analytics Summer Intern</i> <ul style="list-style-type: none">Used Scala to implement classification models and researched Spark/RDD'sTaught co-workers on using Spark for Machine Learning and running models on a retail client's dataset for a proof of concept
NEW YORK, NY Sep 2014 - May 2016	STERN BUSINESS ANALYTICS CLUB - Co-Founder & President <ul style="list-style-type: none">Won John Stevenson Leadership and Community Building AwardCreated 3 semesters of weekly workshops on data driven problem solving and taught students a wide range of skills from Excel Basics to Neural Networks in python; some of my slides are here: bit.ly/bacdataRan weekly workshops, recruiting events, and industry introductions
NEW YORK, NY Feb 2015 - May 2015	STERN PROGRAM FOR UNDERGRADUATE RESEARCH - Big Data Researcher <ul style="list-style-type: none">Updated a Hadoop cluster to YARN with shell scripts and configured Hive for analysisWrote SQL queries in Hive to analyze daily NYSE data streams; linked Tableau to allow the research team to create data visualizations.

SKILLS AND INTERESTS

Skills: Fluent in Java, Python, C, R, Unix, Illustrator; Conversational in LaTeX, Scala, SQL

Interests: Building/Racing FPV Quadcopters, Interior Design, Longboarding, breaking Linux and compiling drivers on my computer

ADDITIONAL EXPERIENCE

SANTA CLARA, CA May 2011 - Jun 2012	LEMELSON-MIT GRANT - Team Lead, Finance Manager <ul style="list-style-type: none">Received \$10,000 grant to develop a thermoelectric generator cooled through aquatic currentsCommended by Senator Mike Honda and San Jose City Council; presented at MIT conference
CAMBRIDGE, MA Apr 2012 - Sep 2012	HARVARD LABS - Research Assistant <ul style="list-style-type: none">Researched the growth pattern of dendritic structures; co-authored findings published by the BioEnvironmental Polymer Society and the Frontiers at the Pharmaceutical Sciences ConferenceAutomated analysis of structures images using academic software LabView scripts