SHANTANU JOSHI

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EDUCATION

NEW YORK, NY *Sep 2013 - May 2016*	**NEW YORK UNIVERSITY, LEONARD N. STERN SCHOOL OF BUSINESS** *B.S. Business, Concentration: Statistics* *B.S. Computer Science* ▪ Graduated in 3 Years; John Stevenson Leadership & Community Building Award

PROJECT AND RESEARCH

NEW YORK, NY *Apr 2016 – Present*	**INTEGRAL DERIVATIVES NLP OF MERGERS AND ACQUISITIONS REPORTS** ▪ Built a news-parser for a prop trading specialist on the NYSE; results were to exported to SQL ▪ Wrote 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** ▪ Implemented the Sieve of Eratosthenes in C for parallelization with OpenMP & CUDA ▪ Benchmarking 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)** ▪ Consulted with OSE on how to utilize and analyze club activity data for student outreach ▪ Spearheaded 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** *TECHNOLOGIES: Python (Numpy, Pandas, xlrd)* ▪ Worked with my partner on automating tracking attendance tracking that was traditionally cumbersome and was completed in Excel ▪ The 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** ▪ 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* ▪ Built time series and classification models with PySpark and Weka for a client's supply chain ▪ Wrote 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	*Predictive Analytics Summer Intern* ▪ Used Scala to implement classification models and researched Spark/RDD's ▪ Taught 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* ▪ Won John Stevenson Leadership and Community Building Award ▪ Created 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/bacdata* ▪ Ran weekly workshops, recruiting events, and industry introductions
NEW YORK, NY *Feb 2015–May 2015*	**STERN PROGRAM FOR UNDERGRADUATE RESEARCH -** *Big Data Researcher* ▪ Updated a Hadoop cluster to YARN with shell scripts and configured Hive for analysis ▪ Wrote 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* ▪ Received $10,000 grant to develop a thermoelectric generator cooled through aquatic currents ▪ Commended by Senator Mike Honda and San Jose City Council; presented at MIT conference
CAMBRIDGE, MA *Apr 2012–Sep 2012*	**HARVARD LABS –** *Research Assistant* ▪ Researched the growth pattern of dendritic structures; co-authored findings published by the BioEnvironmental Polymer Society and the Frontiers at the Pharmaceutical Sciences Conference ▪ Automated analysis of structures images using academic software LabView scripts