

Steven Chu

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EDUCATION	MS IN ANALYTICS (Summer 2014 – July 2015 expected) University of San Francisco	SAN FRANCISCO, CA
	BS IN MATHEMATICS; SECOND MAJOR IN ENGLISH (Fall 2006 – Spring 2010) University of North Carolina at Chapel Hill Cumulative GPA: 3.61; Mathematics GPA: 3.58; English GPA: 3.90	CHAPEL HILL, NC
SELECTED PROJECTS	SENTIMENT ANALYSIS (Summer 2014) Categorized movie reviews as positive/negative – measured by probability using Naïve-Bayes algorithm in Python <ul style="list-style-type: none">Given folder of text files for positive/negative movie reviews, divided into training and test setsCleaned individual text files, created dictionary of positive/negative words and their unigram modelsAlgorithm predicted correct sentiment 80% of the time	SAN FRANCISCO, CA
	LINKEDIN DATA ACQUISITION (Fall 2014) Identified skills market on LinkedIn – measured by probability using Beautiful Soup and RESTful APIs in Python <ul style="list-style-type: none">Accessed list of companies by keyword using vetted API servicesIdentified employees of interest by keyword, using Beautiful Soup to scrape information from LinkedIn pagesCompiled most employed skills by calculating frequencies of skills for employees of interest	SAN FRANCISCO, CA
	STOCK MARKET ANALYSIS (Fall 2014) Performed analyses on NYSE data – measured by various calculations using MySQL database queries <ul style="list-style-type: none">Basic queries such as identifying which stocks have above average returns for particular time periodsMore advanced queries such as computing top and bottom-performing stocks based on beta values	SAN FRANCISCO, CA
	BUSINESS CASE STUDY ANALYSIS (Fall 2014) Answered business analytics question – measured by statistical analyses using regression techniques in R <ul style="list-style-type: none">Given data on 120 metropolitan statistical areas, answered the business question: “does having a local branch drive up demand for a bank’s services in a given area?”Used simple and multiple linear regressions as well as log transformations to identify trends and patterns	SAN FRANCISCO, CA
	SAINT ANN’S SCHOOL (Fall 2011 – Summer 2014) Saint Ann’s is an independent, non-sectarian private school. The school eschews traditional grading in favor of holistic narrative reports. Flexible curriculums are designed around student interests. Math Teacher, Independent Research Mentor, Assistant Basketball Coach <ul style="list-style-type: none">Planned and administered daily lessons for 3rd grade, 6th grade, Algebra I, Geometry, and Calculus math classes<ul style="list-style-type: none">Integrated use of technology (smartboards, geogebra, scratch programming, etc.) in the classroomTaught nontraditional topics such as Euclidean geometry, number theory, and topologyMentored students in data network design and optimizationCollaborated with other teachers to generate curricular standards, class rosters, and departmental structureAs basketball coach, responsible for travel logistics, book-keeping, practice, and game-time decisions	BROOKLYN, NY
WORK EXPERIENCE	MATCH CHARTER PUBLIC HIGH SCHOOL (Fall 2010 – Summer 2011) The MATCH School works to close the achievement gap through a “No Excuses” approach. Tutor, English 12 TA, Administrative Assistant to the Director of Recruiting <ul style="list-style-type: none">Worked with Recruiting Department on various projects:<ul style="list-style-type: none">Planned logistics and administered on-site interviews for MATCH Corps candidatesAssisted in identifying trends in applicant volume and qualityBuilt and managed database integrating applicant and employee dataAnalyzed performance data to identify applicant data associated with successful student outcomesTutored freshmen, sophomores and juniors in Math, English, History, Chemistry and SpanishAs English 12 TA, assessed and provided feedback for student class- and homework	BOSTON, MA