

Data scientist & leader who sparks innovative development, implementation and sales of products, building great teams who directly generated over \$1.5M in revenue for top names in health, education and energy. Deep knowledge of Agile & Lean improvement. Organized Hurricane Sandy relief, ultra marathon runner.

PROGRAMMING Expert level - SPSS, SQL, R Interm NodeJS, Python DATA ANALYTICS Pandas, Scipy, MongoDB, Hadoop, Spark
MACHINE LEARNING Naïve Bayes, KMeans, Neural Networks, STATISTICS ANOVA, Linear and Logistic Regression,
SVM, Random Forest, Clustering, NLP, Tensorflow Hierarchical Linear Modeling

EDUCATION & HONORS

Harvard University Cambridge, MA
Masters of Education, Human Development & Psychology (Risk & Prevention)
Officer for Diversity - Student Government Association; awarded partial scholarship

Columbia University, Barnard College New York, NY
Bachelor of Arts, Religion and Pre-Med

Recognized by Cardinal Health, American Medical Students Association for leadership (2012-2014)

EXPERIENCE HIGHLIGHTS

- 1/2014 – **Vytality Health** San Francisco, CA
CEO & Founder of startup designing digital solutions for elder & patient health & safety
 - Studying impact of better family communication on the health of elders and patients via rigorous research and product development of Vytality mobile app. 4 pilot studies at senior and health communities in SF and NYC
 - Leading team of 4 engineers & data scientists developing sensor algorithms to autodetect health & safety issues
- 1/2014 – **Freelance Consultant (HPE, UCSF Health, Tesla)** San Francisco, CA
Consultant for innovation practice adding value to companies' technology teams
 - Supported Lean improvements with UCSF Health primary care call center for new patient intakes
 - Coached 30 HP Enterprise innovation coaches with engineer bkgd on planning and leading live tech conferences
 - Built AI/ML algorithms training manual and chatbots on AWS and Azure ML for retail consultation practice
 - Trained and supported Tesla solar sales teams. Consistent, top performer generating \$200K in sales
- 2/2010 – **Woodhull Medical and Mental Health Center, New York City** Brooklyn, NY
7/2015 **Health & Hospitals Corporation**
Research Consultant for member hospital in largest municipal hospital & health care system in the U.S.
 - Trained & educated 8 clinical teams on medical error with "The Time Out Project," an IRB-approved randomized study. Collected 83 staff video observations, analysing cohorts using linear regression with leadership insights
 - Launched Housestaff Safety Committee, evolving into a citywide NYC HHC council; 12 chapters throughout city.
- 11/2011 – **NYC Department of Education – Division of Students with** New York, NY
7/2012 **Disabilities and English Language Learners**
Senior Research Associate for central administration of largest public school system in the United States
 - Redesigned processing of special education applications for 150K+ students per year, reducing errors by 75%
 - Supported team of 2 researchers and 3 technologists to accurately incorporate legacy data and systems
- 4/2004 – **Scholastic Inc. / Scholastic Education Group** New York, NY
8/2010 **Research Analyst for ed tech division of largest US children's media co.**
 - Managed 4 federally funded, multisite studies of *READ 180* technology product. Supported national think tanks and assessment experts in diagnosing product dev issues and teacher training. Led team of 3 engineers
 - Conducted hierarchical linear and regression modelling to analyse impact of reading interventions for major school districts from Miami to Seattle. Directly generated and supported \$1.5M in sales.