

NICK RYAN

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Data scientist with math/sciences education, experience with variety of machine learning, statistics, modeling tools. Previous work experience in tech consulting and client-facing project management.

TECHNICAL SKILLS / SELECTED COURSEWORK

Machine Learning / Modeling: classification, regression, clustering, feature engineering, neural networks, PCA and dimensionality reduction, predictive modeling, data visualization, dealing with null/messy data

Systems / Languages: Python (scikit-learn, numpy, scipy, pandas), MATLAB, Spark (PySpark), familiar with Hadoop ecosystem (Hive, Pig), AWS, SQL, Git, Haskell, front-end (familiarity with JavaScript, CSS, HTML), LaTeX

Selected Coursework: Machine Learning, Mathematical Modeling in Medicine, Linear Algebra, Set Theory, Neural Networks, Game Theory, Design and Analysis of Algorithms, First-Order Logic, Statistics, Competitive Strategy, Apache Spark, Functional Programming

PROFESSIONAL EXPERIENCE

INDEPENDENT STUDY / DATA SCIENCE FREELANCING *October 2015 – September 2016*

Sample projects:

- Semantic analysis of Trump tweets using Twitter API, NLP packages, and emotion lexicon
- Recurrent neural network trained on recipes scraped from the web using torch, docker, and Python web scraping toolkit. Includes layman's tutorial for building an RNN
- Analysis of large text corpus and NASA server logs using PySpark
- Prediction and analysis of individual yearly income using US census data achieving 98.5% accuracy with random forest classifier in scikit-learn
- Predicting project plan estimates and outcomes using custom distributions and Monte Carlo

LAZARD / TIGERSPIKE

New York, NY

Embedded Project Manager

April 2015 – November 2015

- lazard.com and Lazard Intranet

TIGERSPIKE (*Digital Products and Consulting Company*)

New York, NY

Account Manager / Project Manager

August 2013 – April 2015

- Selected clients: **American Express, Lazard, Estee Lauder, Elsevier, IHS**
- Digital products and prototyping, led teams of 5-10 across user experience, design, development, content strategy, product strategy, etc.
- Writing/negotiating contracts, pitches, budgets, project scopes
- Product strategy and development, regional staff resourcing and planning

EDUCATION

NEW YORK UNIVERSITY

New York, NY

BA: Math, Physics, Linguistics

August 2009 – January 2013

- Dean's List, Invitation to Dean's Honor Society
- National AP Scholar (tested out of multiple college-level courses during high school)