

NICK RYAN

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Data analysis, statistical modeling, and data visualization professional with experience in project management and business analysis.

TECHNICAL SKILLS / SELECTED COURSEWORK

Machine Learning / Modeling: feature engineering, deep learning, dimensionality reduction, statistical interpretation, data munging, NLP, model validation/evaluation

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

Selected Coursework: Machine Learning, Mathematical Modeling, Linear Algebra, Set Theory, Neural Networks, First-Order Logic, Statistics, Apache Spark, Functional Programming, Competitive Strategy, Contracts, Intro to Operations, Game Theory, Machine Learning and Finance

PROFESSIONAL EXPERIENCE

DATA SCIENCE FREELANCE

Various

Sample work:

October 2015 – Present

- Advising company on long-term machine learning applications, data strategy, data model, ad spend, A/B testing, statistical significance of survey results, survey design
- Multi-label article tagging with neural network, gradient boosting
- Recurrent neural network generating novel cooking recipes, uses web scraping, torch, docker
- Semantic analysis with Twitter API, nltk to evaluate user engagement vs. emotional content
- News scraping, clustering, and visualization tool charting frequency of related topics over time
- Prediction and analysis of yearly income using census data achieving 98.5% with random forest
- What do baseball players lose first, strength or speed?
- Tutorials, technical write-ups, project summaries available on www.nickcdryan.wordpress.com

TIGERSPIKE (*Digital Products and Consulting*)

New York, NY

Embedded Project Manager for Lazard

August 2013 – November 2015

- Project manager for lazard.com and Lazard Intranet

Account Manager / Project Manager

- Selected clients: American Express, Lazard, Estee Lauder, Elsevier, IHS
- Digital products and prototyping, teams of 5-10 across user experience, design, development, content strategy, product strategy, etc.

Business Analyst

- 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)