

**NICK RYAN**

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Data scientist and AI professional with experience in project management and business-focused roles.

**TECHNICAL SKILLS / SELECTED COURSEWORK**

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

**Systems / Languages:** Fluent in Python, NLP tools (coreNLP, various embedding models, spacy, gensim, etc.), Tensorflow, AWS, Google Cloud, SQL, Git. Familiar with Haskell, C++, MATLAB, PyTorch, PySpark, Hadoop ecosystem front-end tools (basic JavaScript, CSS, HTML)

**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**

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**DATA SCIENCE CONTRACTOR**

**Various**

**Data Scientist**

*October 2015 – Present*

- Research, benchmarking, software development, documentation, and some business development for Nearist
- NLP tools, including things like a custom topic modeling algorithm, de-duplication tools, knowledge base population and slot filling, entity and event resolution, and LSTMs for classification for TransparINT
- Advising on long-term machine learning strategy, data pipeline, data model, A/B testing, survey design and analysis for persuasion and engagement analysis platform
- Flagship churn prediction algorithm for business intelligence platform
- Equity research focused on geolocation features and time series data to model REIT performance for small research shop
- Technical architecture, research, modeling, and business strategy for startup focused on an AI platform for software development estimation

**TIGERSPIKE** (*Digital Products and Consulting*)

**New York, NY**

**Project Manager and Business Analyst**

*August 2013 – November 2015*

- 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.
- Writing/negotiating contracts, pitches, budgets, project scopes, product strategy

**EDUCATION**

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**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 and saved my parents some money)