

# NICK RYAN

nickcdryan@gmail.com • [LinkedIn](#) • [Github](#) • [Website](#)

Deep learning and NLP developer. Comfortable in new settings, self-directed, and happy to collaborate on new products. Interested in applying new research and good communication.

## PROFESSIONAL EXPERIENCE

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### VARIOUS / SELF EMPLOYED

**New York, NY**

Machine Learning Contractor / Consultant

*2015 – Present*

- Machine learning tutorials and NLP research distillation at [www.chrismccormick.ai](http://www.chrismccormick.ai):
  - Webinars, PyTorch tutorials applying latest models, paper/code/LLM deep dives, survey of topical NLP research directions
- Search ranking, filtering, classification for BI platform Signal Insights
- Technical architecture, research, modeling, and business strategy for startup focused on an AI platform for software development estimation and project planning
- Advising various clients on NLP tooling, roadmap, cost/benefit, data strategy

Core Skills:

- Python, PyTorch, deep learning, generative AI, LLMs, AWS / GCP, numpy, pandas, scikit-learn

### TRANSPARENT (acquired by Steele / Diligent)

**Remote / Montclair, NJ**

Machine Learning Contractor / Consultant

*2017 – 2021*

- Built the platform's NLP and machine learning engine used to improve search results aggregated from major search engines and government records
- Search ranking, classification, topic modeling and tagging, de-duplication, relation extraction, event resolution. Python, Tensorflow, Snorkel, scikit-learn, spaCy.

### NEARIST

**Remote**

Machine Learning Contractor / Consultant

*2017 – 2019*

- Research and benchmarking for custom hardware designed for similarity search
- Building and testing distance metrics, vector quantization, embedding schemes, data distribution transforms. Some software development / API work, documentation, sales pitches.

### TIGERSPIKE

**New York, NY**

Project Manager

*2013 – 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
- Writing/negotiating contracts, pitches, budgets, project scopes

## EDUCATION

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**NEW YORK UNIVERSITY**

**New York, NY**

BA: Math, Linguistics, Philosophy