Richie Mendelsohn

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LANGUAGES AND TECHNOLOGIES
- Excellent: **Python, Pytorch, Tensorflow, Keras**   Prior: **Scala, Ruby, Java, C++, p5.js**

WORK
Principal Machine Learning Engineer   January 2023 - Oct 2023
Spooler.fm   Remote
- Train and deploy models for NLP products: text summarization, chapters, highlights, keywords
- Full ML dev cycle: Literature review, dataset collection and pre-processing,
  fine-tuning (DistilBERT, LLaMA), model serving and deployment, testing, model evaluation
- Content based recommendations (sBERT), location NER tagging, speech-to-text deployment

Senior Machine Learning Engineer - Podcast Science   November 2017 - Aug 2021
Apple   San Francisco, CA
- Build podcast discovery models to improve Search + Recommendations features using
  user-listening data and podcast content data (audio, transcripts)
- Punctuation Prediction Model for podcast transcripts with seq2seq LSTM model
- Topic and transcript embeddings; audio classification and embeddings

Senior ML Researcher + Engineer   April 2016 - November 2017
Audiosear.ch / PopUpArchive   Oakland, CA
- Clustering and organizing podcasts based on unsupervised LDA topic modeling of podcast
  transcripts -- extracting 80+ topics from 40k podcasts
- Unsupervised keyword and named entity extraction from podcast transcripts
- Built recommendations engine to better surface the long-tail of great podcast content
  ◦ Content-based recommendations from topics data / Collaborative filtering from play data
- Small five person startup acquired by Apple

Venture Design Fellow   June - August 2016
IDEO   San Francisco, CA
- Rapidly prototyped the viability of several startup ventures centered around IoT and blockchain
- GlockChain -- IoT connected handgun that logs trigger pulls to blockchain for police transparency
- Shared Pantry -- peer-to-peer inventory management for restaurants to reduce food waste

Software Engineer, Engineering Productivity   July 2013 - February 2015
Google   Mountain View, CA
- Artificial Intelligence products and applications team (Google Machine Intelligence)
  ◦ Developed eval framework of auto-extracted ad headlines from advertiser's landing pages
  ◦ End-to-end testing for automatic extraction of product testimonials from Google Play reviews
- YouTube   San Bruno, CA
  ◦ Developed a plug-and-playable testing environment for YouTube Developers, providing a
    simple, flexible integration testing framework for ~300 engineers
  ◦ Led the design and implementation of Test Therapy, an intelligent Python test-runner that
    automatically finds and instantly runs applicable unit-tests based on what files developers edit

Software Engineer in Test   December 2011 – May 2013
Spectra Logic   Boulder, CO
- Architected and wrote an extensible automation framework across SCSI/Selenium/XML protocols

CREATIVE
Teaching Assistant — Creative Code Immersive   January - March 2016
Grey Area Foundation For The Arts   San Francisco, CA
- Teaching web skills (p5.js, node.js, HTML/CSS) and physical computing (Arduino, Raspberry Pi)

EDUCATION
Bachelor's Degree in Electrical Engineering   May 2009
Rutgers University   New Brunswick, NJ
- Concentrations: Software Engineering, Digital Signal Processing