Richie Mendelsohn

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LANGUAGES AND TECHNOLOGIES

- Excellent: **Python, Java**   Good: **Ruby, AngularJS, node.js, p5.js**   Prior: **C++, Matlab**
- **Machine Learning, Natural Language Processing, Creative Technology, Design Thinking, Audio Signal Processing, Test Driven Development, Data Structures, Algorithms, Agile / Scrum**

WORK

Senior Software Engineer - Machine Learning / NLP   April 2016 - Present
Pop Up Archive   Oakland, CA
- Enriching podcast metadata using NLP techniques: unsupervised keyword extraction, named entity recognition, topic modeling using LDA, and semantic similarity using word2vec
- Recommendations from podcast metadata: Content-based recommendations from tf-idf data, collaborative-filtering using user listening data

Venture Design Fellow   June - August 2016
IDEO   San Francisco, CA
- Rapidly prototyped the viability of several startup ventures centered around Internet Of Things and blockchain technology as part of the IDEO CoLab Summer Fellowship
- Full-stack development for Plenty, a peer-to-peer inventory management system for restaurants; built in Python / Flask

Software Engineer   July 2013 - February 2015
Google   Mountain View, CA
- Artificial Intelligence / Natural Language Processing team
  - Developed evaluation framework for NLP techniques that auto-extract ad headlines from advertiser's landing pages
  - Led the initiative to design and implement end-to-end testing for automatic extraction of product testimonials from Google Play reviews
- YouTube
  - Developed a plug-and-playable testing environment for YouTube Developers, providing a simple, flexible integration testing framework for ~500 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 a developer is editing

Software Engineer in Test   December 2011 – May 2013
Spectra Logic   Boulder, CO
- Architected and wrote an extensible automation framework which integrates SCSI, Selenium, and XML protocols to test core product functionality

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) to 12 students for building interactive art installations

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