Richie Mendelsohn

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LANGUAGES AND TECHNOLOGIES

- Excellent: **Java, Python** Prior Experience**: C++, Matlab, Perl**
- **Audio Signal Processing, Test Driven Development, Data Structures, Algorithms, Agile / Scrum**

EXPERIENCE

Software Engineer in Test 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

Test Engineer January 2010 – July 2011
Raytheon Aurora, CO

- Developed test automation using the EggPlant black-box test automation tool

PROJECTS

Audio Software

- Algorithmic music composition in Python / MaxMSP / Ableton
- MuzakTheory - web app to match musical scales to chords
- Workshops
  - Workshop on Algorithmic Computer Music - UC Santa Cruz July 2015
  - Music Information Retrieval - Stanford CCRMA July 2015

EDUCATION

Bachelor's Degree in Electrical Engineering May 2009 Rutgers University New Brunswick, NJ

- Concentrations: Software Engineering, Digital Signal Processing
- Senior Design Project – "Audio Signal Processing Design in MATLAB" Implementation of reverb algorithms, spectrograms, multi-tap delays, band-pass/band-stop, filters, chorus/flange