JAMIS M. JOHNSON

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Education

M.S. Computer Science (Machine Learning focus), Graduate Spring 2015, GPA: 3.61
Columbia University, New York, NY

B.S. Applied Mathematics, B.S. Computer Science, May 2012, GPA: 3.49
University of Utah, Salt Lake City, Utah

Employment

Wavelet Health, Machine Learning Programmer, Fall 2016 - Winter 2017
   - Deep learning based exercise classification of wearable sensor data using LSTM recurrent neural networks
   - Built entire ML pipeline including a methodology for acquiring training data and deploying models to prod
   - Keras, Tensorflow, Tensorflow Serving, pandas, scikit-learn

DBRS Innovation Lab, Machine Learning Programmer, Contracting as Korova LLC, Fall 2015 - Fall 2016
   - Built a document recommendation engine and algorithm inspection tool based on doc2vec, t-SNE, k-means
   - Trained a character-level recurrent neural network to generate sheet music
   - scikit-learn, gensim, Spark, Databricks cloud notebooks, D3.js, NVD3

Paperspace, Fullstack Software Engineer, Contracted as Korova LLC, Summer 2015
   - Deployed scalable metrics monitoring and visualization for all of the distributed services
   - JavaScript (LoopBack, Node, Express, Mocha) Docker, InfluxDB, Grafana, collectd, StatsD, nginx

HackNY, Summer Fellow / Seen.co, Fullstack Software Engineer Intern, Summer 2014
   - Wrote a crawler, ranking algorithm, and dashboard to intelligently manage new events
   - Python (Scrapy), JavaScript, Ruby (Sinatra), and MongoDB

HireVue, Fullstack Software Engineer, Dec 2011 - July 2013
   - Refactored poor backend Django code, built out our RESTful API, completely rewrote frontend in AngularJS
   - Python (Django), JavaScript (AngularJS, jQuery, Jasmine), CSS (Bootstrap, LessCSS)

Projects

Tessellize, Emulate artistic style in real time using convolutional neural network image transformers
   - Grand Prize winner of the Artificial Intelligence Hackathon out of 27 teams
   - Texture Networks, Perceptual Losses for Real-Time Style Transfer & Super Resolution, Torch, Chainer

Repommender, a Github repository recommendation system, Fall 2014
   - Recommendation based on implicit collaborative filtering via Spark, pyspark, and MLlib
   - Front end libraries used: CoffeeScript, Jade templates, Skel styling, Font Awesome icons

QUARK, Programming Languages and Translators Project, Fall 2014
   - Implemented a compiler and language in OCaml and C++ for simulating quantum circuits

Undergrad Senior Competition, 1st Place of 25 Teams, Spring 2012
   - Created an iOS app and C image processing library for scientific image and video processing

Skills

Strong: Python, JavaScript, Unix, Vim, Git, AWS, Docker
Machine Learning: TensorFlow, Keras, Chainer, Theano, scikit-learn, Spark, Torch, R
Experienced: Haskell, OCaml, Objective-C, Ruby, C, C++, Java, Matlab
Frameworks/Libs: Numpy, Scipy, Flask, Scrapy, LoopBack, Express, Angular, Node, Django
Databases: Postgres, MongoDB, InfluxDB, MySQL

Interests

I love my motorcycle, skateboarding, NYC history, crosswords, cryptocurrencies, economics, and stand up comedy