**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**
DBRS Innovation Lab, Machine Learning Scientist, Contracting as Korova LLC, Fall 2016 - Present
  - Built a document recommendation engine and algorithm inspection tool based on doc2vec, t-SNE, k-means
  - Estimated financial risk through distributed Monte Carlo simulations
  - 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 our distributed services
  - JavaScript (LoopBack, Node, Express, Mocha) Docker, InfluxDB, Grafana, collectd, StatsD, nginx

HackNY, Summer Fellow / Seen.co, Fullstack Software Engineer Intern, Summer 2014
  - Created 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 and built out our RESTful API
  - Completely rewrote our frontend in AngularJS
  - Python (Django), JavaScript (AngularJS, jQuery, Jasmine), CSS (Bootstrap, LessCSS)

**Projects**
Tesselize, 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, CUDA, Torch, Chainer

Movie Explorer, find something to watch by spatially exploring similar movies
  - Flask backend talks to Rotten Tomatoes and YouTube APIs; frontend utilizes D3.js and Knockout.js

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
  - Designed and programmed an iOS app for scientific image and video processing
  - Wrote the processing library in C from scratch and integrated Apple's A/V foundation

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

**Interests**
I love my motorcycle, skateboarding, NYC history and architecture, crosswords, cryptocurrencies, economics, and
stand up comedy. Also, I brew a batch of beer on occasion.