

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

[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](#), 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.