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, Data Scientist, Contracting as Korova LLC, Fall 2016 - Present
- Built a WebGL-based document visualization tool based on doc2vec, t-SNE and k-means clustering
- Estimated financial risk through distributed Monte Carlo simulations
- Trained a character-level recurrent neural network to generate sheet music
- Spark, Databricks cloud notebooks, gensim, 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
- Rewrote the backend and added an admin tool for navigating the REST API
- 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

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:	Spark, 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, economics, and stand up comedy. Also, I brew a batch of beer on occasion.