Alex Gaudio

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Work Experience:

Sailthru: Data Scientist and Engineer   Aug 2012 - Current

Data Science Team lead for 1 year. Designed and productized (currently patenting) a Term Extraction algorithm (clustering algorithms, graph theory, NLP). Designed the Content Graph and User Graph to enable analysis and recommendations on our big data. Engineered a task parallelization framework and cluster computing framework at scale. Worked on various recommendation engines and analytics, including Personalized Send Time and Profile Predictor.

Adaptly: Developer   Dec 2011 – July 2012

Specializing in data science and engineering with Big Data. Implemented Poisson gradient descent to characterize values of age buckets (Calculus, IPython, NumPy, SciPy, Pandas). Used Dijkstra's algorithm find related words (Gevent, DBpedia & Freebase graph dbs, Facebook api). Built real-time hourly stats collection app with ETL (Mongo, DynamoDB, Ruby, Heroku, Resque, Python, Pandas). Developed service-oriented platform and web-apps (Rails, Postgres, Mongo, Redis,

Flat World Knowledge: Software Engineer   Feb – Dec 2011

Specializing in Python backend development, Data Analytics, Distributed Computing, ETL, DBA, Reporting. Built and documented production reporting system that merged data from 5 dbs. Built backend of a textbook customization and publishing platform using homegrown Python tools.

Bard College: Part/Full Time Systems Engineer: Aug 2009 – Aug 2010

Student and summer job. Performed network administration tasks. Assisted an email system migration. Analyzed campus bandwidth usage. Audited network, packet shaper and firewall.

Education, Volunteer, Achievements:

Kaggle Data Science Global Competition (Hackathon)   May 2012

Won 5th place in NY and 28th globally (with 2 friends). 24 hour hackathon to predict air pollution.

Stanford Machine Learning Course (via Coursera)   Oct – Dec 2011

Earned perfect score in class. Learned essential ML concepts, and took lots of notes!

Speaker, PyGotham NYC Python Conference   Sept 2011

90 minute talk on IPython and Tmux. TA'd a Django class. Built Django app for PyGotham website

Volunteer Software Developer: Hunchworks, UN Global Pulse   Jul – Dec 2011

Built hypothesis generation and social networking platform to identify emergent crises and trends.

Education:

Bard College, Annandale-on-Hudson, NY   2006 - 2010

B.A. May 2010, Music, Pre-med, Computer Science. GPA 3.61 (4.0 Senior year, 3.75 Junior year)
Senior Thesis, *Cultivating Expression: Connecting With Each Other Through Jazz*
2010 Recipient of the Larry McLeod Award in Jazz