

Alex Gaudio

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119 East 89th St., Apt 5D, NYC, NY 10128

Work Experience:

Full Time Developer: Adaptly

Dec 2011 - Current

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, AWS, Node.js, Backbone.js). Built map choropleths from real-time data (Python, D3.js).

Full Time Software Engineer: Flat World Knowledge

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.

Part/Full Time Systems Engineer: Bard College

Aug 2009 – Aug 2010

Student job. Assisted an email system migration. Analyzed campus bandwidth usage. Audited network security, packet shaper and firewall. Setup computer labs and packet-shaper front-end.

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

Student, Robot Musicianship Independent Study: Bard College

2009 - 2010

Attempted to recommend music based on body's current biorhythm. Analyzed musical rhythms as harmony using Fourier Transforms of byte streams. Built Galvanic Skin Response instrument.

Volunteer Software Developer: Hunchworks, UN Global Pulse

Jul – Dec 2011

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

Volunteer Software Developer: REN-ISAC

2009 - 2011

Developed client-side Darknet software to facilitate research by the Shared Darknet Project.

Student, Networking and Security Independent Study: Bard College

2009 - 2010

Network Security Engineering. TCP/IP, SMTP, DNS, Honeypots, Darknets, IDS, Footprinting, Scanning, Firewalls, Nmap, Nessus, Ettercap, SSH, Netcat, BackTrack Linux, IPtables, Wireshark.

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