Nitya Subramanian

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EDUCATION

Massachusetts Institute of Technology   Cambridge, MA
S.B Computer Science. Minor in Mathematics, Concentration in Linguistics   June 2015
Relevant Coursework: Machine Learning, Computer Vision, Randomized Algorithms,
Advanced Algorithms, Computer Systems Security, Computer Systems Engineering

TECHNOLOGIES

Programming Python, Javascript (Node.js, AngularJS), Java, HTML/LESS/CSS
Data and Information SQL, Postgres, MongoDB, Hadoop/Hive/Pig

RELEVANT EXPERIENCE

Blend Labs   San Francisco, CA
Engineering Manager   July 2015-present
- Manage and lead engineering within a team of 11 across 4 functional product and platform areas that manage collection of consumer data.

Technical Lead, Data Analytics
- Build and maintain a data pipeline comprised of several microservices and a distributed data warehouse storing highly sensitive mortgage data
- Design and implement efficient data modeling and event tracking to enable scalable information storage, retrieval, and analysis
- Monitor, measure, and disseminate data internally and externally

Locu (Acquired by GoDaddy Inc)   San Francisco, CA
- Implemented intelligent tokenization of Optical Character Recognition output on small business listing data. Employed machine learning classification techniques to decrease dependence on manual error correction
- Built a website evaluator to intelligently measure and grade website design

MIT CSAIL: Natural Language Processing, Prof. Regina Barzilay   Cambridge, MA
- Article Information Extraction for FDA Adulteration Anomaly Detection   Jan 2013-present
- Semantic chat fraud detection using MaxEnt Classification
- Twitter eyewitness account-driven article generation

MIT CSAIL: Performance Engineering, Prof. Saman Amarasinghe   Cambridge, MA
- Postgres extension for OpenTuner, an extensible   Sept 2014-present
  framework for program autotuning and optimization

Yahoo! Inc: Data and Advertising- Targeting, Analytics, and Optimization   Sunnyvale, CA
- Built a Machine-Learning based Campaign Recommendation Engine for   June-Aug 2013
  Yahoo! Europe, Middle East, and Africa Bidding and Targeting team
- Projected revenue increase from project deliverable- $2M/year
- Awarded a Yahoo! Backyard Bravo for outstanding performance

MIT Media Lab: Center for Mobile Learning (AppInventor), Prof. Hal Abelson   Jan–Dec 2012
UC Berkeley EECS Department, Prof. Eric Brewer   June-Aug 2010
Cisco Systems: Core Technology Group- Central Engineering Organization   June-Aug 2012

LEADERSHIP/ACTIVITIES

Society of Women Engineers   Cambridge, MA
- *Region F Collegiate Leadership Team- Communications Editor*   Sept 2011-present
- *MIT SWE Executive Team: Vice President of Campus Relations*

MIT Varsity Women's Crew, Lightweight (NCAA Division 1)   Sept 2012-June 2014

AWARDS/HONORS

Accenture Research and Innovation Scholar- MIT SuperUROP Program
Audience Favorite Research Poster–EECSCon, MIT EECS Undergraduate Research Conference
Yahoo! Backyard Bravo: Be Agile- Typically reserved for exemplary full-time employee achievement