Arvind Srinivasan

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OBJECTIVE ◇ I am passionate about synthesizing data from different sources to come up with unique insights, and presenting those insights in visually compelling ways. I enjoy learning about new ways to approach data at scale, from architecting distributed systems to engineering features that harness the power of big data.

EDUCATION ◇ **Columbia University**, New York, NY
B.S. in Computer Science, expected graduation: Dec 2013
Transcript available upon request.

◇ **Bellarmine College Preparatory**, San Jose, CA
H.S., May 2010
GPA: 4.33, SAT Writing/Critical Reading/Math: 800/760/770

◇ **University of Pennsylvania**, Philadelphia, PA
Jerome Fisher Management and Technology, Summer Institute, Summer 2009
Developed a go-to-market plan with four other students on a hardware product marketed to college-age students, attended business simulations with entrepreneurship thought leaders
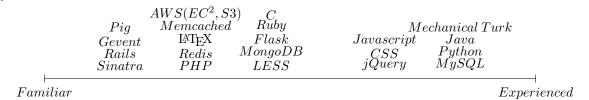
WORK EXPERIENCE ◇ **Research Assistant**, Columbia University Graduate School of Business (Sep 2012-present)
Working for Professor Casey Ichniowski, Architecting a web stack to analyze and visualize soccer statistics, including re-writing STATA econometrics algorithms in Python. Current papers are analyzing transfer markets, player/team performance, and game structure/flow using OPTA event data.

◇ **Intern**, SET.tv (Summer 2012) [Video Classification for Targeted Advertising]
Designed and implemented an automated machine learning training / QA pipeline using Mechanical Turk. Leveraged existing technology that processes videos and splits them into keyframes, and wrote a system that intelligently batched keyframes and created HITs on Mechanical Turk to categorize those keyframes. Created a set of HTML templates, and did A/B testing to optimize cost, roundtrip time, and accuracy of results.

◇ **Intern**, SET.tv (Summer 2011)
Rewrote ad server logging architecture + set up Splunk to set up robust BI solution. Configured Splunk dashboard, created mysql cron jobs to get aggregated data. Created video thumbnail report (python/mako, html, javascript, jquery/mysql) for clients. Configured staging servers to troubleshoot Selenium + X errors. Started working with Hadoop/Pig to replace Splunk with a more scalable, distributed system.

◇ **Intern, Freelance Journalist**, MacLife Magazine (Summer 2009)
Wrote 50+ articles for website, 6 articles for print magazine. Wrote feature for website that netted 2k+ Diggs and 250,000+ pageviews (among highest in site's history, at the time). Wrote UNIX shell script to auto-order images in web galleries and generate HTML to add to posts. Helped cover WWDC Apple Conference.

◇ **Intern**, Gridstone Research (Summer 2007, 2008) [Financial Research Services]
Project manager for revamp of charting software in conjunction with the redesign of the

Gridstone webapp platform, wrote a comprehensive Product Requirement Description that detailed an implementation of the AM Charts API that was subsequently implemented in the following release. In the previous summer, did a competition analysis, and identified key areas for price differentiation.

LANGUAGES ◇ / LIBRARIES

$AWS(EC^2, S3)$ C
Pig   Memcached   Ruby   Mechanical Turk
Gevent   LaTeX   Flask   Javascript   Java
Rails   Redis   MongoDB   CSS   Python
Sinatra   PHP   LESS   jQuery   MySQL

Familiar   Experienced

COURSES
◇ **Technical / Completed** - Computational Learning Theory, Natural Language Processing, Data Structures and Algorithms, Scientific Computation, Probability and Statistics, Discrete Math, Computational Linear Algebra, Advanced Programming, Fundamentals of Computer Systems, Object Oriented Design

◇ **Audited** - Computers, Privacy, and the Constitution (Columbia Law), Social Media and Entrepreneurship (Columbia GSB), Consumer Tech (Columbia GSB)

◇ **Nontechnical / Completed** - Introduction to Linguistics, Principles of Economics

◇ **Planned (Spring 2013)** - Machine Learning for NLP (COMS E6998), Spoken Language Processing (COMS 4706), Artificial Intelligence (W4701), Computer Science Theory (W3261)

LEADERSHIP
◇ **Bwog.com** - sysadmin for a student run blog with 250,000 monthly visits, 55,000 uniques, and 500,000 pageviews. Launched a redesign and server migration over Summer 2012 that drastically improved load time and internal performance. Migrated all images to s3, wrote a custom comment-karma / favoriting plugin backed by redis, wrote deployment scripts (capistrano), and put everything under version control (git).

◇ **Boy Scouts of America, Eagle Scout** - Installed, outfitted, and networked computers at the Tri City Homeless Coalition in Fremont for low income families to use for Eagle Project

◇ **Columbia Rock Climbing Club, President** - Lead weekly trips to outdoor climbing spots, manage a club of ~200 active members, negotiated discounted membership deals with local climbing gyms.

ACADEMIC INTERESTS
◇ Natural Language Processing, Data Modeling/ Visualization, Machine Learning, Mapping/ Geolocation, Scalability