

Adam C. Sanders

303 E Pike St, Apt 403
Seattle, WA 98122

adamcsanders@gmail.com
adamcsanders.com
(302) 353 - 9405

Education

Princeton University, A.B. in Computer Science
Interests: Data Mining, Machine Learning

June 2009
Dept. GPA: 3.5

A.I. duPont High School, Magna Cum Laude Graduate
National AP Scholar National Honor Society

June 2005
GPA: 3.9

University of Virginia, 2004, *Darden Business School*, Selected to attend LEAD. Took classes in finance and business.

Professional and Research Experience

Software Development Engineer, 2009 - Present, *Amazon.com*

Recommendations Team: Mined customer behavior and other data to power the product recommendations for Amazon and its related web properties. Features I owned create sales of over \$1 billion per year. (Java, Python, AWS)

Fact Extraction Team: Developed algorithms for the extraction of high quality structured product attributes from billions of semi structured merchant contributions aimed at improving Amazon's global product catalog. (Java, Python, AWS)

Natural Language Processing Research, 2008 - 2009, *Senior Independent Work*

Developed platform that automatically aggregates, analyzes, and visualizes thousands of RSS feeds using Latent Dirichlet Analysis. Advised by Professors David Blei and Brian Kernighan. (Java, Python, C++, SQL, AJAX)

Sabermetrix Skill Rating System, 2008 - 2009, *Independent Project*

Created statistical ratings and ranking system that automatically and accurately infers skill in competitive games, ranking players in real time on the project website. Service has recorded over 10k matches to date. (C++)

Demographic Data Mining Research, 2006 - 2009, *Princeton University*

Developed large demographic datasets by mining popular interactive websites like eBay, Facebook, LiveJournal, and MySpace. Performed cluster and correlation analysis of data. (Python, SQL)

Liquid Chromatography/Mass Spectrometry Data Analysis, 2007 - 2008, *Junior Independent Work*

Developed more efficient and effective means to clean, analyze, and view mass spectrometry protein scans. (C++)

Biofuel Flux Balance Analysis, 2008, *Harvard University*

Applied linear programming and networking techniques in order to model the production of biofuels in algae. (Python)

Political Semantic Processing, 2008, *Princeton University*

Worked with Professor Brian Kernighan to examine semantic relationships within political speeches. (C++, Python)

American Indian Science and Engineering BPC Research Program, 2007, *University of Michigan*

Developed an artificial intelligence agent to compete in annual ORTS AI competition. (C++)

Biofarming HIV Research, *Newark, DE*

Optimized the production of HIV antigen in tobacco plants in order to produce a cheaper and more effective vaccine.

Entrepreneurial Experience

Beryl Partners Founding Partner, 2007 - 2009, *Princeton, NJ*

Founded student investment club with 8 other Princeton students. Group once had over \$18,000 in assets...

Student Design Agency Manager, 2006 - 2009, *Princeton University*

Founding member and Logistics Manager of 30-member student agency. Oversaw extensive client-designer interaction, supervised agency operations, and developed agency technology and practices.

Prospect Fridge and Mattress Founder, 2008 - 2009, *Princeton University*

Founded campus business to provide lightly used appliances to the University community.

Graphic Design Program Founder, 2004 - 2005, *Greenville, DE*

Founded program in graphic design at local high school and developed a new curriculum to teach graphic design.

Organizational Experience

RCA, 2007 - 2008, Collaborated with students, administrators, and support services in order to mediate student disputes.

Varsity Track, 2005 - 2007. 400m Hurdler (Princeton). Team Captain, Team MVP, State Runner-Up (High School).

HEART Instructor, 2007 - 2008, Taught classes of up to 30 students about wilderness first aid.

Orientation Trip Leader, 2006 - 2007, Led Outdoor Action orientation trips at Princeton.

Skills

Primary Languages: Java, Python, C/C++

Certifications: Eagle Scout, WFR, CPR

Secondary Languages: Hadoop, EMR, AWS, AJAX, Ruby

Hobbies: Basketball, Climbing, Hiking/Camping, Violin/Viola