

Amol Kapila

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EDUCATION

University of Washington

Master's of Science in Statistics

Seattle, WA
August, 2011

- Thesis title: "On Left-Stochastic Decomposition Clustering." GPA: 3.74.
- Entered as a Ph.D. student and completed the coursework required for the Ph.D. degree.
- Significant coursework: Machine Learning, Statistical Consulting, Stochastic Modeling, Linear Models, Theoretical Statistics.
- Performed statistical consulting services for over fifteen clients.

Brown University

Sc.B. in Mathematics, Magna Cum Laude

Providence, RI
May, 2009

- Overall GPA: 3.73. Pure and Applied Mathematics GPA: 3.92.
- Relevant coursework: Intermediate Microeconomics, Monte Carlo Simulation with Applications to Finance, The Entrepreneurial Process: Innovation in Practice.

Budapest Semesters in Mathematics

Budapest, Hungary, Fall, 2007

HONORS AND AWARDS

- ARCS (Achievement Rewards for College Scientists) Fellowship, awarded for 2009-2012.
- VIGRE (Vertical Integration Grants for Research and Education) Fellowship for 2009-2010.
- NSF-Funded Research Experiences for Undergraduates at East Tennessee State University (Summer, 2008).
- Undergraduate speaker award at MathFest in Madison, WI, in August, 2008.

COMPUTER SKILLS

- General skills: Proficient in Microsoft Office, Microsoft Windows, Mac OS X, and Ubuntu Linux.
- Programming: Fluent in R, Matlab, and MySQL. Some familiarity with Java, Python, C, and C++.

WORK EXPERIENCE

University of Washington

Research Assistant for Professor Maya Gupta

Seattle, WA
Sept., 2010 - present

- Contributed to the development of a novel algorithm for data clustering. Led efforts to compare the algorithm to previously existing state-of-the-art algorithms using simulated and real datasets.
- Co-authored a paper titled "Clustering by Left-Stochastic Matrix Factorization," which appeared at the International Conference of Machine Learning (ICML, acceptance rate ~25%) in Summer, 2011. Another paper is in preparation.
- Co-authored a tutorial on the Dirichlet distribution.
- Investigated methods for simulating scale-free networks.

Charles G. Koch Charitable Foundation

Intern

Arlington, VA
Summer, 2009

- Evaluated the success of a \$300,000 database investment and made recommendations for improvement.
- Evaluated incoming grant applications for the Graduate/Research Programs group.
- Developed systems for the Graduate/Research Programs group to measure the output of its efforts.

Law Offices of Patrick S. Scott

Legal Assistant and Temporary Office Manager

Fort Lauderdale, FL
Summer, 2006

- Led the firm's transition to electronic filing of court documents. This involved developing and documenting an efficient process for filing and receiving court documents.
- Trained staff to implement the new process.

Streamlining Systems

Co-Founder

Fort Lauderdale, FL
2003-2004

- Designed databases for Streamlining Systems, a start-up that offered customized Microsoft Access database solutions to State Farm Insurance Agents in the South Florida area.
- Participated in sales pitches.

OTHER INTERESTS

- Personal investing, life-hacking and mental athletics (e.g., speed-reading and memory-training), reading, and traveling.