

Paul Cuff

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EDUCATION

Stanford University 2004-present	<ul style="list-style-type: none">• Ph.D in Electrical Engineering (2009)• Advisor: Thomas Cover• GPA: 4.0+ • PhD Quals Ranking: 1/148• NDSEG Fellowship• Numerical Technologies Fellowship• Outstanding Teaching Assistant 2005 (IEEE-WIE)• BASIS Entrepreneurial Challenge: 1st Place	Stanford, CA
Brigham Young University 1998-2004	<ul style="list-style-type: none">• B.S. in Electrical Engineering• Major GPA: 4.0 • General GPA: 3.93• Micron Scholarship • Tau Beta Pi • Dean's List	Provo, UT

RESEARCH

Source Coding 2008	<ul style="list-style-type: none">• Enabling Coordination via Communication• Best Student Paper Award [1]• Related Talks:<ul style="list-style-type: none">◦ Allerton 2008◦ School of Information Theory 2008	Stanford, CA
Channel Capacity 2006-2007	<ul style="list-style-type: none">• Capacity of Trapdoor Channel with Feedback [2]• Related Talks:<ul style="list-style-type: none">◦ ISIT 2007◦ BIRS: Entropy Rate of HMPs, 2007.	Stanford, CA
Speech Processing 2002-2005	<ul style="list-style-type: none">• Denoising of Speech• Restoration of historic audio recordings• Real-time denoising adaptive filter	Stanford, CA Provo, UT

INDUSTRY EXPERIENCE

Microsoft Research 2008	<ul style="list-style-type: none">• Intern - Theory Group - Probabilistic Analysis• Mixing time for Glauber dynamics on Potts model	Redmond, WA
Google 2007	<ul style="list-style-type: none">• Intern - Decision Support - Search Quality Analyst• Internet search market-share data analysis	Mountain View, CA
Nuova Systems 2006	<ul style="list-style-type: none">• Intern - Network Algorithms Researcher• Backward congestion notification	Santa Clara, CA
AHS 2005	<ul style="list-style-type: none">• Co-Founder - Adaptive Hearing Solutions• Speech denoising filter for hearing aids	Palo Alto, CA
L-3 Communications 2004	<ul style="list-style-type: none">• Intern - Advanced Communications Group• Simulations of communication waveforms and ECC	Salt Lake City, UT

SELECT PUBLICATIONS

1. P. Cuff. "Communication Requirements for Generating Correlated Random Variables." ISIT 2008.
2. H. Permuter, P. Cuff, B. Van Roy, and T. Weissman. "Capacity of the Trapdoor Channel with Feedback." IEEE Trans. on Info. Theory, 54(7):3150-65, July, 2008.

INTERESTS AND ADVENTURES

- Minor League Football - Golden Coast Football League - Wide Receiver
- Japanese - Two years as volunteer missionary in Japan (1999-2001)
- International Folk Dance Team - Brigham Young University • Jazz Saxophone