

EDUCATION:

Stanford University, Stanford, CA:

PhD candidate in Electrical Engineering; Advisor: Tom Cover

GPA: **4.0+**; PhD Qualification Exam Ranking: **1/148**

- Awards:**
- Numerical Technologies Fellowship
 - National Defense Science and Engineering Graduate Fellowship
 - 1st Place -- BASIS Entrepreneurial-Challenge
 - Outstanding Teaching Assistant 2005

Research: Multi-user information theory

Publications: H. Permuter, P. Cuff, B. Van Roy, and T. Weissman, "Capacity of the Trapdoor Channel with Feedback," submitted to *IEEE Trans. Info. Theory*.

P. Cuff, "Communication Requirements for Generating Correlated Random Variables," submitted to *ISIT 2008*.

Brigham Young University, Provo, UT:

B.S. in Electrical Engineering, April 23, 2004

GPA: (Major) **4.0/4.0**; (Combined) 3.93/4.0

Awards: • Micron Scholarship • Tau Beta Pi • Dean's List

Research: Removal of noise and distortion from antique phonograph recordings

High School Awards, Rex Putnam H.S., Milwaukie, OR, 1998:

- Valedictorian
- Eagle Scout
- Electronics Scholar Award
- Navy Scholar/Athlete Award
- Odyssey of the Mind (team engineering competition) -- State Champion

COURSE EXPERIENCE:

- Information Theory
- Machine Learning
- Convex Optimization
- Probability Theory
- Detection and Estimation
- Electromagnetics/Optics

EMPLOYMENT:

- Google, **Search Quality Analyst Intern**, (6/07-9/07)
Gathered and analyzed internet-search market-share data
- Nuova Systems, **Researcher Intern**, (6/06-9/06)
Developed and simulated network congestion control algorithms
- Adaptive Hearing Solutions, **Co-Founder and Researcher**, (6/05-3/06)
Innovated speech denoising technologies for hearing aids
- L-3 Communications, **Electrical Engineering Intern**, (5/04-9/04)
Created computer simulations of advanced communication waveforms

SKILLS:

- *Fluent in conversational Japanese*
- *Software: MATLAB, C/C++*