

Angela B. Hugeback

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EDUCATION

THE UNIVERSITY OF CHICAGO, Chicago, IL

Ph.D. in Statistics, 2007

Emphasis on point process methodologies for modeling astronomical data, automated recommendation systems, machine learning and statistical computing.

GPA: 3.80/4.0

THE UNIVERSITY OF CHICAGO, Chicago, IL

M.S. in Statistics, 2004

Emphasis on machine learning, game theory, and statistical genetics.

GPA: 4.0/4.0

THE UNIVERSITY OF MINNESOTA, Duluth, MN

B.S. in Mathematics, 1998

Emphasis on probability and applied statistics.

GPA: 3.86/4.0

PROFESSIONAL EXPERIENCE

THE UNIVERSITY OF WASHINGTON, Seattle, WA

Visiting Lecturer, 2008-Present

Designed course curriculum and taught undergraduate statistics courses in applied regression and analysis of variance.

GOOGLE, INC., Seattle, WA

Statistical Consultant, 2007

Developed new statistical methodologies and made significant contributions to existing methodologies for a public facing tool for conducting automated web experiments.

NASA GODDARD SPACE FLIGHT CENTER, Greenbelt, MD

Research Intern and Statistical Consultant, 2006-2007

Conducted independent statistical research on solar physics data while providing statistical consultation to NASA astronomers and solar physicists.

DELOITTE & TOUCHE, Advanced Quantitative Services, Chicago, IL

Statistical Consultant, 2000-2001

Built custom statistical forecasting models for insurance pricing. Developed software that greatly improved the efficiency of the modeling process. Analyzed large amounts of data in a small team setting, and communicated technical concepts effectively to clients.

INVENTION PATENTS

- **“Detection of Attack Velocity Features in Capacitive Touch Sensor Data,”**
A. Hugeback and J. Snyder, App. 61/032,205 (2008)
- **“Recommendation Systems and Methods,”**
A. Hugeback, App. 60/909,180 and 60/943,102 (2007)
- **“Adaptive Website Optimization Experiment,”**
A. Hugeback, E. Vasilik, M. Meyer, App. 16113-977001 / GP 1487 00 US (2007)

PUBLICATIONS

- **“Point Process Models for Astronomy: Quasars, Coronal Mass Ejections, and Solar Flares,”** A. Hugeback, Ph.D. Thesis, The University of Chicago (2007)
- **“The Quasar Luminosity Function as a Non-Homogeneous Poisson Process,”** A. Hugeback, M. Coram, and S. Jester, *Statistical Challenges in Modern Astronomy IV*, San Francisco: Astronomical Society of the Pacific (2007)
- **“Mastermind by Importance Sampling and Metropolis-Hastings,”**
A. Hugeback, *International Statistical Institute Bulletin for 55th Session* (2005)

TECHNICAL SKILLS

High level of proficiency in C/C++, Python, R/S-Plus, MySQL, HTML, and LaTeX.
Extensive experience working in UNIX/Linux and Windows environments.

AWARDS AND HONORS

- NSF Mathematical Sciences Postdoctoral Fellowship, awarded in 2007 and 2008
- Graduate Student President, Dept. of Statistics, University of Chicago, 2003-2004
- University of Chicago Graduate Student Assistantship, 2002-2007
- Department of Statistics Tuition Grant Award, University of Chicago, 2001-2002
- Rosemount Presidential Academic Scholarship, 1994-1996

OTHER ACTIVITIES AND INTERESTS

Music performance, reading, games, electronics, sailing, camping, and cooking.