

John A. Ramey II

Graduate Student, Baylor University
Waco, Texas, USA

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Personal Statement

Currently I am seeking a research internship involving applied statistics, primarily statistical pattern recognition, machine learning and high-dimensional statistics in an academic, governmental or industrial setting.

Education

Baylor University Waco, TX
Ph.D. Statistics *May 2012 (Anticipated)*
– Advisor: Dean M. Young, Ph.D.

Baylor University Waco, TX
M.Sc. Statistics *Dec. 2009*
– Relevant Courses: Statistical Theory, Regression Analysis, Statistical Methods, Multivariate Analysis, Categorical Data Analysis, Computational Statistics, Time Series Analysis, Large Sample Theory, Bayesian Methods, Spatial Statistics, Experimental Design

Baylor University Waco, TX
B.Sc. Mathematics (Minor: Computer Science) *Aug. 2008*
– Relevant Courses: Matrix Theory, Numerical Linear Algebra

Awards, Grants & Honors

- Baylor University Graduate School Additional Stipend (\$3500) 2010-2011
- Baylor University Graduate School Additional Stipend (\$3500) 2009-2010
- Outstanding First Year Graduate Student - Department of Statistical Science 2009
- Baylor University Graduate School Additional Stipend (\$3500) 2008-2009
- Baylor University Presidential Scholarship (\$14,000) 2001-2005

Publications

- Greer, B., Young, D., Harvill, J., and Ramey, J., *Pseudo-likelihood Intervals for the Ratio of Two Poisson Rates with Data Subject to Under-Reporting* (submitted for publication to Computational Statistics and Data Analysis)
- Ramey, J. A., Young, D. M., *Improvements on Regularized Discriminant Analysis* (in progress)

Presentations

Ramey, J. A. (April 2010) *Bayesian Regularized Logistic Regression in High-Dimensional Classification*. Instituto Panamericano de Estudios Avanzados en Probabilidad y Estadística: Semana en Métodos de Reducción de Dimensin. Centro de Investigación en Matemáticas, A.C. Guanajuato, Mexico.

Other Research Experience

Statistical and Machine Learning Research Group Waco, TX
Department of Statistical Science, Baylor University 2009-present

Research Experience for Undergraduates at The Ohio State University Columbus, OH
Vertical Integration of Research and Education in Computational Mathematics Summer 2004

- Focused on Number Theory, especially Random Matrix Theory.

Teaching Experience

Elementary Statistics Baylor University
Teacher of Record Aug. 2009 - Present

- Taught this freshman level course in the Statistics Department.
- Developed homework, quizzes and exams for the class.
- Attended weekly meetings to enhance and improve teaching skills and techniques.

Statistics Department Tutoring Lab Baylor University
Graduate Teaching Assistant Aug. 2008 - Present

- Provided one-on-one and group tutoring to students in undergraduate statistics courses.

Statistics for Psychology Majors Baylor University
Graduate Teaching Assistant Aug. 2008 - Jul. 2009

- Supplemental Instruction.
- Led weekly course seminars.

Work Experience

Candidate Resources, Inc. Grand Prairie, TX
Senior Web Programmer Jan. 2007 - Nov. 2007

- Initiated development of a new flagship product using the .NET platform.
- Maintained a legacy code base written in Classic ASP.
- Administrated MS SQL Server databases for clients.
- Provided technical support to staff and clients.

Baylor University, Electronic Libraries

Waco, TX

Student Programmer

Aug. 2006 - Dec. 2006, Aug. 2007 - May 2008

- Developed PHP websites and scripts with Oracle databases for Baylor faculty and staff.

Instructional Technology Assistant

Feb. 2002 - Aug. 2006

- Instructed Baylor faculty and staff one-on-one and in seminars on Microsoft Office and educational software.

Professional Membership

Founder – R Users Group

Waco, TX

Department of Statistical Science, Baylor University

2010-present

Member – American Statistical Association

2008-present

Skills

Programming and Markup Languages

- **Skilled:** R
- **Proficient:** ASP.NET, Classic ASP, C#, \LaTeX , PHP, PL/SQL, Python, SQL, T-SQL
- **Currently Learning:** Python

Specialized Software

- JMP, Mathematica, MATLAB, Microsoft Office, Microsoft SQL Server, Microsoft Visual Studio, Oracle, SAS

References

Dr. Dean Young (Advisor)

Department of Statistical Science, Baylor University

Contact information available upon request.

Dr. John Seaman

Department of Statistical Science, Baylor University

Contact information available upon request.

Dr. James Stamey

Department of Statistical Science, Baylor University

Contact information available upon request.