

# John A. Ramey II

Ph.D. Candidate, Department of Statistics, Baylor University  
Waco, Texas, USA

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http://ramhiser.com

## 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#,  $\text{\LaTeX}$ , PHP, PL/SQL, 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.