

Personal Statement

Currently I am seeking a research internship with a statistical pattern recognition and machine learning group 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
– Outstanding First Year Graduate Student
– Relevant Courses: Statistical Theory, Regression Analysis, Statistical Methods, Multivariate Analysis, Categorical Data Analysis, Computational Statistics, Time Series Analysis, Large Sample Theory

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

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
Graduate Teaching Assistant

Baylor University
Aug. 2008 - Jul. 2009

- Supplemental Instruction.
- Led weekly course seminars.

Work Experience

Candidate Resources, Inc.
Senior Web Programmer

Grand Prairie, TX
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
Student Programmer

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

- Developed PHP websites and scripts with Oracle backends 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.

Publications

Ramey, J. A., Young, D. M., *Computationally Efficient Regularized Discriminant Analysis* (in progress)

Other Research Experience

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.

Skills

Programming and Markup Languages

- **Skilled:** R
- **Proficient:** ASP.NET, Classic ASP, C#, L^AT_EX, PHP, PL/SQL, Python, SQL, T-SQL

Specialized Software

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