Jerry (Zeyuan) Hu zhu45@wisc.edu   (608)-609-3116   215 N. Frances Street, 502, Madison, WI 53703

Education

University of Wisconsin – Madison, Madison, WI   **Expected Graduation: Dec 2014**

Majors: Computer Science, Honors program in Economics, Mathematics

Cumulative Overall GPA: 3.68/4.00

Courses: Statistical Computation, Artificial Intelligence, Econometrics, Mathematical Analysis, Stochastic Process, etc.

Skills

✦ Programming Languages: Python (proficient), Java (proficient), R (experienced), MATLAB (experienced), VBA, C, C++

✦ Software: Eclipse, Vim, Linux/Unix, Adobe Dreamweaver, Photoshop; WordPress CMS, Microsoft Office Suite, STATA

✦ Language: Fluent in Mandarin Chinese and English

✦ Actuarial Exams: Passed Exam P (July 2012) and Exam FM (June 2014)

Relevant Work Experience

Research Assistant, Prof. Vikas Singh at Department of Biostatistics, Madison, WI   **May 2013 - April 2014**

✦ Explored multiple hypothesis problem on fMRI data by utilizing Bayesian Nonparametric Models (i.e., Spatial Gaussian Process, Dirichlet Process)

Research Assistant, Dr. Jamie Hanson at Department of Psychology, Madison, WI   **Sep 2012 - May 2013**

✦ Used Support Vector Machine technique to examine the correlation between the feedback and children's learning outcomes

✦ Collaborated with Research Advisor to examine the statistical connection between fMRI data and DTI data in measuring the brain activity of children during their learning process

✦ Constructed Python data extraction toolkit to extract the target data from over 80 subjects generated by E-Prime software

Web Developer & Database Analyst, Department of Economics, Madison, WI   **Sep 2012 - Feb 2013**

✦ Analyzed over 13,500 pieces of data on age composition and occupational structure of Department of Economics Alumni via R

✦ Created a new user-friendly department website by using WordPress content management system(CMS)

✦ Developed personal web design skills by meeting both the needs of content users and design standards of the university

Research Assistant, Prof. Gregorio Moreno at Department of Mathematics, Madison, WI   **May 2012 - Sep 2012**

✦ Awarded Honors Summer Sophomore Research Apprenticeship through a competitive selection process

✦ Constructed over eight computer simulations and generated over one million eigenvalues of Hermitian Matrices (i.e., $\beta = 1, 2$) to model the energy level of cancerous cells

✦ Used Python to update five mathematical algorithms, which significantly reduced the complexity of computing process

✦ Recognized for my ability to learn graduate-level mathematics independently and effectively (i.e., stochastic process)

Tutor, University of Wisconsin - Madison Center for Academic Excellence, Madison, WI   **Mar 2012 - May 2014**

✦ Provided economics, mathematics, physics tutoring to 12 individuals and small groups for introductory courses

✦ Developed presentation skills and the ability to convey complicated information effectively

✦ Facilitated effective group discussions and demonstrated leadership skills

Data Analyst, Federal Reserve Challenge Team at Department of Economics, Madison, WI   **Sep 2010 - Nov 2010**

✦ Collected over 10 years labor market data from well-known economics websites such as Federal Reserve and World Bank

✦ Identified the data trends in the labor market during the past three years and analyzed raw data using VBA and Excel

Awards

✦ Meek Bishop Scholarship in Economics 2013

✦ Honors Summer Sophomore Research Apprenticeship 2012

✦ Dean's List of Fall 2010, Spring 2010, Spring 2011, & Fall 2012

References

Vikas Singh, Professor at Department of Biostatistics

University of Wisconsin-Madison

5795 Medical Sciences Center

Madison, WI 53706

608-262-8875

visingh@biostat.wisc.edu

Relationship: Advisor

Kenneth West, Professor at Department of Economics

University of Wisconsin-Madison

7458 William H. Sewell Social Science Building

1180 Observatory Drive

Madison, WI 53706

608-262-0033

kdwest@wisc.edu

Relationship: Advisor

Gregorio Moreno, Assistant Professor at Department of Mathematics

Pontifical Catholic University of Chile

Office 240

Avenida Vicuña Mackenna 4860

grmoreno@mat.puc.cl

Relationship: Former Research Supervisor

Note: reference can be best reached via email