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Education

University of Wisconsin – Madison, Madison, WI

Expected Graduation: May 2014

Majors: Computer Science, Economics, Mathematics

Courses: Data Structure, Artificial Intelligence, Econometrics, Game Theory, Mathematical Analysis, Time Series, etc.

Cumulative Overall GPA: 3.92/4.00 Cumulative GPA in Mathematics: 4.00/4.00

Skills

- ◆ Programming Languages: Python (proficient), Java (proficient), C(experience), MATLAB, HTML & CSS, VBA
- ◆ Software: Eclipse, Vim, Linux/Unix, Adobe Dreamweaver, Photoshop; WordPress CMS, Microsoft Office Suite, STATA
- ◆ Language: Chinese Mandarin and English

Activities & Experience

Web Developer & Database Administrator, Department of Economics, Madison, WI

Sep 2012 - Present

- ◆ Analyzed over 13,500 data on age composition and occupational structure of Department of Economics Alumni via pie charts and bar graphs generated by Python.
- ◆ Create a new user-friendly department website by using WordPress content management system(CMS)
- ◆ Improved the web design skills on meeting both the needs of audience and design standards of the university

Research Assistant, Prof. Gregorio Moreno at Department of Mathematics, Madison, WI

May 2012 - Sep 2012

- ◆ 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 5 mathematical algorithms, which significantly reduced the complexity of computing process
- ◆ Improved the communication skills by effectively delivering the key ideas of research to a panel of 20 faculty and students
- ◆ Strengthened Python programming skills in scientific computing field through intensively use of Numpy and Matplotlib
- ◆ Praised for the ability to learn graduate-level mathematics independently and effectively(i.e., stochastic process)

Data Analyst, Federal Reserve Challenge Team at Department of Economics, Madison, WI

Sep 2010 - Nov 2010

- ◆ Gathered over 10 years labor market data from well-known economics websites such as Federal Reserve and World Bank
- ◆ Observed the data trend in the labor market during the past three years and processed raw data using VBA and Excel

Tutor, University of Wisconsin - Madison Center for Academic Excellence, Madison, WI

Mar 2012 - Present

- ◆ Provide economics, mathematics, physics tutoring to individuals and small groups for introductory courses
- ◆ Improved the results of tutees, who evaluated that the sessions effectively covered the important and hard parts
- ◆ Enhance presentation skills and the ability to convey complicated information effectively; improved the leadership skills and the ability to facilitate effective group discussions

Team Member, University of Wisconsin – Madison Culinary Service, Madison, WI

Sep 2010 - Apr 2011

- ◆ Managed multiple tasks such as: prepare and serve food to customers, run the cashier and perform catering duties
- ◆ Improved significantly the ability to balance study, work, and life with about 10 hrs/week of in-semester job

Volunteer, Ride the Drive Event, Madison, WI

Sep 2011, July 2012

- ◆ Cooperated with other volunteers to ensure the safety and quality of the route in assigned area

Awards

- ◆ Honors Summer Sophomore Research Apprenticeship 2012
- ◆ Dean's List of Fall 2010, Spring 2010, & Spring 2011