

Yu, Yue

University of Illinois at Chicago

Homepage: <http://imyy.net>

📍 Office 719 SEO
851 S. Morgan St.
Chicago, IL 60606

☎ 540-yy-yueyu

✉ yyu9 at uic.edu

Education

- 2007–Present **Master of Science in Mathematics**, *University of Illinois at Chicago, USA.*
- Expected in SUMMER 2009.
- Concentrate in Probability and Statistics, over all GPA: 4.0/4.0.
- 2003–2007 **Bachelor of Science**, *Fudan University, China.*
- Major in Mathematics and Applied Mathematics, last two years GPA: 3.4/4.0.
- UNDERGRADUATE THESIS
title *Nonstatistical Methods for Credit Scoring and Its Applications*
description Develop three strategies for credit scoring: linear programming, genetic algorithm and back-propagating neural network and three model is built in MATLAB for real data in order to evaluate their performances.

Academic Background

- Mathematics Calculus, Mathematical Analysis, ODE & PDE, Complex Analysis, Real Analysis, Linear Algebra, Modern Algebra, Topology,
- Statistics Probability Theory, Statistical Theory, Applied Statistical Methods, Sampling Theory, Linear Statistical Inference, Nonparametric Methods, Statistical Learning,
- Computing Programming Language Design, Parallel Computing, Data Mining and Prediction, Scientific Software, Numerical Analysis,
- Finance Managerial Finance, Derivatives Markets, Theory of Interest,

Scholarships

- 2006 **People Scholarship**, Fudan University, China.
- 2003–2006 **Basic Science Scholarship**, Fudan University, China.

Undergraduate Contest Awards

- Mar, 2007 **Meritorious Winner**, *Interdisciplinary Contest in Modeling.*
- Administered by the Consortium for Mathematics and Its Applications, and sponsored by SIAM, the NSA, and INFORMS.
- Webpage: <http://www.comap.com/undergraduate/contests/icm/>
- Dec, 2006 **Second Prize**, *China Undergraduate Mathematical Contest in Modeling, China.*
- Dec, 2005 **Outstanding Award**, *Undergraduate Mathematical Modeling Contest, China.*
- The **1st** in East China.
- Nov, 2002 **Third Prize**, *Chinese Chemical Olympiad, China.*
- Oct, 2002 **Second Prize**, *Chinese Mathematical Olympiad, China.*
- Dec, 2001 **First Prize**, *Chinese Physics Olympiad, China.*

Experience

Working

- 2009 **Research Assistant**, *Technology Resources/Statistics, Epidemiology & Surveillance*, Baxter Healthcare Corporation, Round Lake, IL.
- Serve as a contractor full time during summer and half time during the semester schedule.
 - Perform under supervision for adverse event/product complaint surveillance; for R&D animal studies, stability studies, reliability studies, manufacturing quality control studies; and for data analyses for clinical studies and related activities.

Research

- 2008 **Statistical Lab**, *UIC*.
- Provide statistical consulting service for faculty, staff and graduate students inside or outside the university.
 - Webpage: <http://www.math.uic.edu/~jyang06/statlab/StatLab.html>
- 2007 **Parallel Computing Lab**, *Fudan University*.
- Develop a parallel block reduction method for solving multiscale linear systems, use LAPACK and MPI to build a package to perform the algorithm and evaluate its performance.
- 2004–2006 **Mathematical Modeling Team Leader**, *Fudan University*.
- Lead a group of students with some Mathematical Modeling projects, make a two-hour presentation each season.

Academia

- Oct. 2008 **Fifth Midwest Database Research Symposium**, *Chicago, Illinois*.
- May. 2008 **The 31st Midwest Biopharmaceutical Statistics Workshop**, *Muncie, Indiana*.

Teaching

- 2007–2008 **Teaching Assistant**, *Department of Math, Stat, and CS, UIC*.
- Teach discussion sections for Math 121 – Precalculus.

Completion Actuarial Exams

- Nov, 2007 **Exam P/1**, *Society of Actuaries*.
- May, 2008 **Exam FM/1**, *Society of Actuaries*.

Languages

- Chinese **Native**
- English **Fluent**

TOEFL(PBT) Score: 633/677, Essay rating: 4.5/6.0;
GRE Score: Verbal 540/800, Quantitative 800/800;
GRE Analytical Writing: 4.0/6.0.

Computer skills

- | | | | |
|-------------|------------------------------------|-------------|-------------------------------|
| OS | Linux/Unix, Windows, DOS | programming | C/C++, Java, MPI, Python, SQL |
| job-related | SAS, SAS Enterprise Guide, Minitab | typography | LaTeX, Microsoft Office |
| scientific | Matlab, Maple, R, Lingo | | |

Scientific Interests

- Statistical Learning
- Time Series Analysis
- Spatial Statistics
- Stochastic Process
- Data/Text Mining