

Curriculum Vitae
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Education

- **University of Illinois at Chicago** **Chicago, Illinois**
Ph.D. student of Statistics program. **May 2011 – present**
Major: Statistics.
Major Curriculum: Statistical learning, Computational Statistics and Stochastic Process.
- **Georgia Institute of Technology** **Atlanta, Georgia**
M.S. in Statistics program in ISyE. **August 2009 – May 2011**
Major: Statistics.
Major Curriculum: Advanced Statistical Modeling, Computational Statistics, Design and Analysis of Experiments, Linear Optimization, Nonparametric Data Analysis, Probabilistic Models and Their Applications, Theoretical Statistics.
- **National Taiwan University** **Taipei, Taiwan**
M.S. in Mathematics. **September 2004 – January 2007**
Advisor: Hung Chen, Professor.
Major Curriculum: Probability Theory,
Data Analysis, Multivariate Analysis, Regression Analysis,
Nonparametric Regression Models.
Thesis: Operating Characteristics of C_p -Lasso on Variables Selection in Linear Regression with Orthonormal Regressors.
- **National Taiwan University** **Taipei, Taiwan**
 - B.A. in Economics. **September 1999 – July 2004**
Major Curriculum: Labor Economics, International Trade Theory,
Monetary Banking Theory, Microeconomics, Macroeconomics, Econometrics.
 - B.S. in Mathematics. **September 1999 – July 2004**
Major Curriculum: Calculus, Linear Algebra, Advanced Calculus,
Differential Equations, Introduction to Probability Theory,
Advanced Statistical Inference, Multivariate Statistical Analysis,
Geometry, Algebra, Functions of Complex Variables.

Professional Experience

- **MSCS, University of Illinois at Chicago** **Chicago, Illinois**
 - Graduate Teaching Assistant **August 2011 – present**
For the undergraduate level course, Math 210 Calculus III. Holding office hours, teaching Maple programming and grading homework assignments.
- **ISyE, Georgia Institute of Technology** **Atlanta, Georgia**
 - Graduate Teaching Assistant **January 2010 – May 2010**
For the graduate level course, ISyE 6739 Statistical Methods. Holding office hours, writing homework solutions and grading homework and examinations.
- **Institute of Statistical Science, Academia Sinica** **Taipei, Taiwan**
 - Research Assistant **February 2008 – July 2009**
Supervisor: Su-Yun Huang, Professor.
Research in Optimization Theory and Support Vector Machines.
Assisting Professor Hung Chen and Dr. I-Ping Tu in synthesizing the functional data in their paper, “An Eigenvector Variability Plot”, *Statistica Sinica* 19 (2009), 1741-1754.
 - Teaching Assistant **September 2008 – July 2009**
For the graduate level courses, Statistical Computing and Mathematical Statistics, taught by Professor Su-Yun Huang, preparing lecture slides, grading homework and assisting students in statistical inference and programming implementation.
- **Department of Mathematics, National Taiwan University** **Taipei, Taiwan**
 - Graduate Teaching Assistant **September 2004 – January 2007**
For the graduate level course, Advanced Statistical Inference and undergraduate level courses, Calculus, Introduction to Probability Theory, Applied Linear Algebra, Introductory Statistics and Mathematical Statistics. Holding office hours, preparing lecture notes, assigning and grading homework and examinations.

Volunteer Experience

- **Rural Service Club, National Taiwan University** **Taipei, Taiwan**
 - Group leader of the Rural Service Club **July 2000 – July 2001**
The National Taiwan University Rural Service Club with a high-principled motto, “Service Above Self”, is a non-profit organization that promotes, and advocates education in rural Taiwan.

- Honor**
- Kiplinger Fellowship, Georgia Institute of Technology, 2009.
 - Hu Duen-Fu Scholarship (for the top 1 graduate student), National Taiwan University, 2006.
 - Two Presidential Awards (for the top 5 students), National Taiwan University, 2000 and 2001.
- Accreditation**
- Graduate Research Assistantship, Georgia Institute of Technology, 2009 - 2010.
 - Graduate Teaching Assistantship, Georgia Institute of Technology, January to June, 2010.
 - Graduate Research Assistantship, National Taiwan University, 2004 - 2007.
 - Graduate Teaching Assistantship, National Taiwan University, 2004 - 2006.
- Computer Skills**
- C++, Matlab, Mathematica, Minitab, R, Splus, and SAS.
- Invited Presentation**
- Online Robust Kernel Principal Components Analysis. Oral presented at the Fifth Statistics and Machine Learning Workshop, Tainan, Taiwan, 2009.
 - Online Learning with Matrix Exponentiated Gradient Updates. Oral presented at the Taida Institute for Mathematical Sciences, Taipei, Taiwan, 2008.
- Publication**
- Hsin-Hsiung Huang and Yi-Ren Yeh (2011). Iterative Algorithm for Robust Kernel Principal Component Analysis. Accepted by the Journal of Neurocomputing.
 - Hsin-Hsiung Huang, Chuhsing Kate Hsiao and Su-Yun Huang (2010). Statistics: Non-linear Regression. International Encyclopedia of Education, 3rd Edition, Elsevier.
 - Hung Chen and Hsin-Hsiung Huang (2009). Operating Characteristics of C_p -Lasso on Variables Selection in Linear Regression with Orthonormal Regressors. Academia Sinica.