

## OBJECTIVE

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Seeking employment as an applied statistician in data driven industry or research.

## EDUCATION

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**Rice University**, Master in Statistics August 2012 – May 2014 (Graduate in May)

Overall GPA: 3.85/4.00, GRE: 1490/1600

Core courses: Data Mining and Statistical Learning, Bayesian Data Analysis, Time Series, Regression, Data Base System, SAS programming, Statistical Computing and Graphics, Quantitative Finance, Energy Economics

**University of Arizona**, B.S in Mathematics, Second Major in Economics August 2009 - June 2012

Overall GPA: 3.68, Major GPA: 3.88

Core courses: Econometrics, Real Analysis, Linear/Abstract Algebra, Probability Theory, Stochastic Process, O/PDEs

## SKILLS

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**Computer Languages** Proficient in R, SAS, MySQL, Python and MATLAB, Experience in C++ and Unix shell

**Professional Platforms** Microsoft VBA, Access, Bloomberg, FactSet, Wharton Data Research Services (WDRS)

## INTERNSHIP EXPERIENCE

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**Syndicated Loan Data Analyst, Virtus Partners, Houston** 10 June – 15 August, 2013

- Created algorithms for data reconciliation across 5 major data vendors, speeded up the reconciliation by 150%.
- Administrated large volumes of daily loan transactions, proactively communicated with agents, clients and colleagues.

**Quantitative Analyst, China Investment Corporation (CIC), Beijing** 22 May – 27 July, 2012

- Created investment theses on “Global Factory Automation Industry” by fundamental research in private equity team.
- Immersed the whole process of capital evaluation from analyzing data to writing pitch book.
- Completed the CIC analyst curriculum, coordinated with the buy side and the sell side teams successfully.

**Research Assistant, Math Department, University of Arizona, Tucson** August 2010 to December 2011

- Developed a faster algorithm for winding number computing in C++ with Dr. Tomas Kennedy.
- Verified Duplantier-Saluer result with 0.5 Billion Monte Carlo simulations by statistical analysis.

## RECENT PROJECTS

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**Big Data Competition, Rice University** September 2013 - December 2013

- Won the contest by building a recommendation system which well predicted 19.2 million Netflix movie ratings.
- Implemented and improved the existing Collaborative Filtering models and Ensemble Learning methods.

**Statistical Software Development, Rice University** August 2013 - November 2013

- Developed and maintained the data analyzing software "Bus Transport Monitor 1.1"
- Integrated data collection, lubrication, calculation and visualization in a graphical user interface by R toolkit.

**SAS Research Project, Rice University** March - April 2013

- Verified Efficient Market Hypothesis by noise elimination and hypothesis testing on 1.1 billion simulations.
- Programmed a macro in SAS which merged various large data frames and performed the firm matching process.

## HONORS AND AWARDS

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1st Prize in Netflix Movie Recommendation Competition, Rice University December 2013

National Science Foundation Scholarship for Undergraduate Research August 2010 – May 2012

Graduation with Cum Laude, University of Arizona May 2012

2<sup>nd</sup> Prize in International Mathematical Contest of Modeling May 2009

## ACTIVITIES AND SERVICES

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Teaching Assistant at UA and Rice U; Math Tutor Volunteer at Tucson High School; Study Abroad at Korean  
Second Place at Mathcat Ping Pong Tournament; Wining team in Eller College of Business Debate contest  
Membership: ASA (American Statistical Association), SPE (Society of Petroleum Engineers)