

## Education

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2004-present University of Arizona, Tucson, AZ

### Graduate College

- MS in Applied Mathematics, May 2006 GPA: 3.71
- PhD in Applied Mathematics, expected May 2009
- PhD Minor in Systems & Industrial Engineering, expected May 2009

2000-2004 Columbia University, New York, NY

### School of Engineering & Applied Science

- Bachelor of Science in Applied Mathematics GPA: 3.53

## Professional Experience

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Summer 2008 Target Corporation, Minneapolis, MN

### Analytics and Optimization Sciences Intern

- Developed an integer programming model to automate product placement in stores
- Partnered with Target Store design teams to ensure the model satisfied business needs
- Integrated the model's implementation with the existing technology infrastructure

Summer 2007-Fall 2008 University of Arizona, Tucson, AZ

### National Science Foundation VIGRE Fellow

- Continued dissertation research on a class of stochastic network flow problems
- Supervised undergraduate research projects

Spring 2007 University of Arizona, Tucson, AZ

### Dept. of Systems & Industrial Engineering Graduate Research Assistant

- Developed a framework for utilizing probability distributions as a means of inferring missing numerical information in network flow problems

Fall 2006 University of Arizona, Tucson, AZ

### Network Administration: Department of Mathematics Computer GTA

- Built and redesigned XHTML-compliant webpages for the department website
- Wrote scripts to maintain and improve departmental webpages
- Organized Software Interest Group seminar for graduate students, faculty and staff

Fall 2005-Spring 2006 University of Arizona, Tucson, AZ

### Department of Mathematics Graduate Teaching Assistant

- Served as instructor for College Algebra course at the university
- Designed and graded homework assignments and exams

## Technical Skills / Areas of Expertise

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**Topics:** Optimization, Integer Programming, Algorithms, Linear Algebra, Probability

**Languages:** Matlab, Perl, Shell, PHP, HTML, SQL, Xpress-Mosel, AMPL/GAMS/CPLEX

**Tools:** LaTeX, CSS, emacs, bash, Excel

**Operating Systems:** Linux, Mac OS X, Windows

## Awards / Honors

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Greenpoint Foundation Scholarship Awardee

Columbia Engineering Dean's List

National Science Foundation VIGRE Travel Award

The University of Arizona Herbert E. Carter Travel Award