

# Xiaowen Cheng

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## EDUCATION

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**University of Minnesota-Twin Cities, College of Science and Engineering** Minneapolis, MN  
*Master of Financial Mathematics* Expected May 2012  
*B.S., Mathematics – Actuarial Science* May 2010

- Minors: Business Management, Economics
- GPA: 3.56; Dean's List: Spring 2009, Fall 2009, Spring 2010; Hutchinson Technology Scholarship

## PROFESSIONAL EXPERIENCE

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**Center for Transportation Studies, University of Minnesota-Twin Cities, Minneapolis, MN** August 2010 - Present  
*Finance Assistant*

- Manage expense reports monthly for projects totaling \$22 million
- Investigate missing expenses or budgets to ensure the balance of each account
- Submit accounting reports and create Excel spreadsheets for the financial management team

**Shanghai Pudong Development Bank, Shanghai, China** June -July 2009  
*Intern*

- Enlarged the VIP program by acquiring 20 new members (10% increase)
- Analyzed clients' portfolios using Excel to help manager streamline consulting services to his clients
- Developed strong communication skills while interacting with clients

**University of Wisconsin-Eau Claire, Eau Claire, WI** Summer 2007  
*National Science Foundation, Research Experience for Undergraduates*

- Studied Fourier transforms and wavelet analysis with Dr. James Walker
- Implemented computer software to simulate patterns in music using mathematical models
- Presented research results at the annual national Mathematical Joint Meetings in front of 200 participants
- Published article in prestigious journal *Notices of the American Mathematical Society*

## LEADERSHIP EXPERIENCE

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**University of Minnesota-Twin Cities, Minneapolis, MN** Summer 2008 – Present  
*Teaching Specialist – Department of Mathematics*

- Rated as one of the top Teaching Assistants in the department by students (4.76/5.0) in 2009
- Teach weekly discussion sessions with 80 students and hold office hours for one-on-one mentoring
- Grade mathematics classes including Calculus I, II and III, Theory of Interest and Applied Linear Algebra

*President – Financial Math Association* September 2010 - Present

- Lead an executive student board in a professional student group with 50 members
- Organize weekly seminars with speakers from the financial industry
- Facilitate career fairs, social gatherings and other events to give students more experience with industry professionals

*Resident Advisor/Office Assistant – University Housing* August 2007 - May 2010

- Provided leadership in student housing; successfully managed 50-60 students by on-going interaction
- Confronted residents and enforced polices with professionalism
- Planned programs to engage residents in social and educational topics

## PUBLICATIONS

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1. **Xiaowen Cheng**, Jarod V. Hart, and James S. Walker. Time-frequency Analysis of Musical Rhythm. *Notices of the American Mathematical Society*. March 2009. Vol. 56, No. 3, pg 356-372.

## SKILLS

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**CFA Candidate Level I:** registered for the December exam (December 2010)  
**Technical:** Experienced in C++, Matlab, Maple, and Microsoft Excel  
**Languages:** Bilingual in Chinese and English; Conversational German (member of Delta Epsilon Phi – German Honor Society)