

Maria Glenski

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Education

- Ph.D., Computer Science and Engineering** *Expected 2019*
University of Notre Dame, Notre Dame, IN
- Bachelor of Arts** *May 2014*
Saint Mary's University of Minnesota, Winona, MN
Major: Mathematics *Minor:* Spanish
Honors: Magna Cum Laude, Dean's List (Fall 2010 – Spring 2014)

Honors and Awards

- Rome Global Gateway Summer Research Fellow** *2016*
University of Notre Dame
Summer research fellow in residence at the University of Notre Dame's Rome Global Gateway in Rome, Italy.
- NSF East Asia and Pacific Summer Institutes Fellowship** *2015*
National Science Foundation (NSF)
Awarded a summer fellowship to conduct research in China from the NSF partnered with the Chinese Ministry of Science and Technology.
- Outstanding Graduate Teaching Assistant award** *2015*
Department of Computer Science and Engineering, University of Notre Dame
One of 2 recipients selected for excellence as a graduate teaching assistant.
- Arthur J. Schmitt Leadership Fellowship in Science and Engineering** *2014*
University of Notre Dame, Notre Dame, IN
Awarded a five year fellowship recognizing exceptional academic promise.
One of fifteen awards out of more than 5000 applications.
- ACM Richard Tapia Celebration of Diversity in Computing Scholarship** *2014*
Google
Awarded a scholarship to attend the 2014 conference.
Selected from a competitive pool of over 700 applicants.
- Grace Hopper Celebration of Women in Computing Scholarship** *2013*
National Science Foundation (NSF)
Awarded a scholarship to attend the 2013 conference.
Selected from a competitive pool of over 900 applicants.
- Saint Thomas More Scholarship** *2011*
Saint Mary's University of Minnesota of Minnesota
The highest academic merit scholarship for first year students, requiring a minimum 3.8/4.0 GPA, 28 or higher ACT score, and a class rank in the top 5% of their class.
- National Merit Commended Student** *2010*
National Merit Scholarship Corporation
One of 34,000 commended students, top 50,000 out of 1.5 million students nationwide.
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Research Experience

University of Notre Dame, Notre Dame, IN

Oct. 2014 - Present

PhD Student

Advisor: Dr. Tim Weninger

- Investigating how social influence and the presentation of information affects users on social platforms, particularly social news platforms.
- Released Chrome/Firefox extension to collect anonymized usage data from social news platform, reddit, users.

Tsinghua University, Beijing, China

June 2015 – July 2015

2015 NSF East Asia and Pacific Summer Institutes (EAPSI) China Fellow

Advisor: Dr. Jie Tang

- Working with Twitter data to investigate retweet influence on heterogeneous networks incorporating structural hole theory.

Saint Mary's University of Minnesota, Winona, MN

Jan. 2014 - Apr. 2014

Undergraduate Student

Advisor: Dr. Todd Iverson

- Performed sentiment analysis of tweets associated with trending topics on Twitter to find the optimal time for users to check the Twitter trends.
- Retrieved and analyzed over 250,000 tweets.
- Created and trained a classifier that classified the subjectivity and polarity of tweets.
- Developed a tool that incorporated the classifier to automate the analysis.

Publications

Maria Glenski and Tim Weninger. Rating Effects on Social News Posts and Comments. *ACM Transactions on Intelligent Systems and Technology*, 2017.

Maria Glenski, Thomas J Johnston, and Tim Weninger. Random Voting Effects in Social-Digital Spaces: A case study of Reddit Post Submissions. *Proceedings of the 26th ACM Conference on Hypertext & Social Media*, METU, Cyprus, September, 2015.

Oral Presentations

Random Voting Effects in Social-Digital Spaces: A case study of Reddit Post Submissions. ACM Conference on Hypertext and Social Media (Hypertext), METU, Cyprus, September 1-4, 2015.

Random influence effects in social-digital spaces, Presentation to the Knowledge Engineering Group, Computer Science Department, Tsinghua University, Beijing, China. June 2015.

When should you check the Twitter trends?. Celebration of Scholarship, Saint Mary's University of Minnesota, Winona, MN. April, 2014

When should you check the Twitter trends?. Pi Mu Epsilon Student Research sessions, Mathematical Association of America (MAA) Mathfest 2014, Portland, OR. August, 2014

Poster Presentations

Voting and Following in Social Media. CRAW Grad Cohort Poster Session, San Diego, CA. April, 2016.

When you should check the Twitter trends?. Student Research Exhibit, Brother Charles Severin Celebration of Excellence Gala, Chicago, IL. May, 2014.

Teaching Experience

University of Notre Dame, Notre Dame, IN *Fall 2016*

Graduate Teaching Assistant - Dept. of Computer Science and Engineering

Course/Topic: Database Concepts (CSE 30246)

Grading coursework.

University of Notre Dame, Notre Dame, IN *Fall 2015*

Graduate Teaching Assistant - Dept. of Computer Science and Engineering

Course/Topic: Discrete Mathematics (CSE 20110)

Grade quizzes and exams, hold weekly office hours, review and create rubrics for assignments, and maintain grade records and the course website.

Assist coordinating 2 graduate and 4 undergraduate teaching assistants.

University of Notre Dame, Notre Dame, IN *Spring 2015*

Graduate Teaching Assistant - Dept. of Computer Science and Engineering

Course/Topic: Artificial Intelligence (CSE 40171/ 60171 PSY 40675/60675)

Grade assignments, quizzes, and presentations, and hold weekly office hours.

University of Notre Dame, Notre Dame, IN *Fall 2014*

Graduate Teaching Assistant - Dept. of Computer Science and Engineering

Course/Topic: Discrete Mathematics (CSE 20110)

Grade course work and exams, lead problem sessions, hold weekly office hours, and gave 30 minute lecture.

Saint Mary's University of Minnesota, Winona, MN *Sept. 2012 – May 2014*

Study Hall Supervisor - First Generation Initiative

Course/Topic: Mathematics, Statistics, and Computer Science

Individual and group tutoring on Mathematics, Statistics, and Computer Science, proofreading papers, and answering general questions on all subjects.

Saint Mary's University of Minnesota, Winona, MN

Tutor - Student Success Center

Sept. 2012 – May 2013

Tutor - Academic Skills Center

Sept. 2011 – May 2012

Course/Topic: Mathematics and Statistics

Tutored students in Mathematics and Statistics in one-on-one and group settings.

Professional Memberships and Honor Societies

Association for Computing Machinery (ACM)

Society for Industrial and Applied Mathematics (SIAM)

Society of Schmitt Fellows - University of Notre Dame

Pi Mu Epsilon (*National Mathematics Honor Society*)

Alpha Mu Gamma (*National Foreign Language Honor Society*)

Delta Epsilon Sigma (*National Scholastic Honor Society*)

Leadership Roles

University of Notre Dame *Sept. 2015 - Present*
Society of Schmitt Fellows
Outreach Committee Member (2015-2016), Outreach Committee Co-chair (2016 – present)

Saint Mary's University of Minnesota *Sept. 2010 – May 2014*
Math Club Secretary (2010-2011), President (2012-2013)
Math and Computer Science Club Co-President (2013-2014)

Volunteer and Service Experience

“Is Grad School Right for Me?”, University of Notre Dame *October 2016*
Organizer
Organized a Q&A panelist for an informational session for undergraduates interested in learning about graduate school for STEM fields, sponsored by the Society of Schmitt Fellows.

University of Notre Dame “Pi Day 5k” *March 2016*
Volunteer
Volunteered in the preparation for the 2016 Pi Day event sponsored by Society of Schmitt Fellows and AWIS-ND that raised for Girls on the Run (local Boys and Girls Club program).

“Is Grad School Right for Me?”, University of Notre Dame *October 2015*
Panelist
Served as a Q&A panelist for an informational session for undergraduates interested in learning about graduate school for STEM fields, sponsored by the Society of Schmitt Fellows.

Science China *Sept. 2015 - Present*
Reviewer

University of Notre Dame “Pi Day 5k” *March 2015*
Volunteer
Volunteered at finish line of run and interactive Monte Carlo problem game demonstration at the 2015 Pi Day event sponsored by Society of Schmitt Fellows and AWIS-ND that raised over \$4,300 for Girls on the Run.

Other Professional Experience

Landis + Gyr, Pequot Lakes, MN *May 2012 – Aug. 2012*
Engineering Intern
Statistical data analysis and software tool design/implementation to support field testing and implementation of a power line carrier based smart grid solution.

- Made improvements in custom software tools developed in both the C++ and C# programming languages that were used within the department.
- Designed and coded a software tool in C# using Microsoft Visual Studio to communicate with the firmware of circuit boards via a custom communications protocol utilizing a RS-232 hardware interface from the written specifications of the communications protocol.

- Developed an automated system for statistical data analysis of electric meter read data using a combination of Python and MATLAB scripts that downloaded, analyzed, and updated summary reports of data.

Engineering Intern

June 2011 – Aug. 2011

Statistical analysis and summarization of testing data of electricity meters in development.

- Downloaded and performed comparative statistical analysis on electric meter read data.
- Generated symbol error ratio curves based on results of analysis.
- Drafted daily summary reports of analysis performed.