

IRENE YE YUAN

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EDUCATION

University of Minnesota – Twin Cities

Aug. 2017 – Present

Ph.D. in Computer Science

Department of Computer Science and Engineering

University of Washington

Sept. 2014 – Aug. 2015

Master of Human Computer Interaction + Design

MHCI+D

St. Olaf College

Sept. 2010 – May 2014

B.A. in Computer Science, Mathematics and Physics

MSCS Department, Physics Department

PROFESSIONAL EXPERIENCES

GroupLens Lab

Aug. 2017 – Present

University of Minnesota – Twin Cities
Minneapolis, MN

Graduate Researcher

Facilitate research studies using surveys, interviews, field experiments, and qualitative data analysis to gain design insights for building novel technological systems

LexisNexis

Nov. 2016 – Jul. 2017

Shanghai, China

User Experience Specialist III

Lead designer for several products from ideation, UX, design, research and testing to release; Collaborated with developers and program managers throughout the product cycle; Actively involved in the recruiting process for UX team

Ubicomp Lab

Jun. 2016 – Aug. 2016

University of Washington
Seattle, WA

UX Designer and Researcher

Conducted usability testing on a mobile spirometry test application; Worked with Visual Designer to improve the user experience based on testing results; Improved the design workflow by introducing new prototyping tools to the team given different project needs

IA Collaborative

Sept. 2015 – Jun. 2016

Chicago, IL

Interaction Designer

Collaborated with Design Researchers and Visual Designers to create omni-channel solutions and design user experiences based on user needs and business requirements; Helped interaction design team utilize new prototyping tools by creating tutorials and learning development knowledge

MSCS Department

Feb. 2013 – May 2014

St. Olaf College
Northfield, MN

Undergraduate Researcher

Improved the usability of web applications based on feedback gathered from user research; Created a learning module for future student developers to learn UX design and rapid prototyping; Implemented minimize errors algorithms in the 3-Dimensional model reconstruction process

TEACHING EXPERIENCES

St. Olaf College

Sept. 2012 – Dec. 2013
MSCS Department, Physics Department

Teaching Assistant

Principles of Physics I Lab | Prof. Demas
Principles of Physics II Lab | Prof. Dahl
Theory of Computation | Prof. Allen

St. Olaf College

Sept. 2012 – May 2013
Academic Support Center

Academic Assistant

Mathematics and Physics Tutoring

POSTER AND PRESENTATIONS

Luke Bonde, Allison Brumfield, & **Ye Yuan** (2014). Error Minimization in 3-Dimensional Model Reconstruction Using Sparse Bundle Adjustment and the Levenberg-Marquardt Algorithm on Stereo Camera Pairs. Paper Presented in April 2014 at Midwest Instruction and Computing Symposium

Trevor Knapp, Peter Jacobson, & **Ye Yuan** (2013). The Coefficient of Power Series of $\text{esin}(x)$. Poster presented in January 2014 at the Undergraduate Student Poster Session at Joint Mathematics Meetings

AWARDS AND HONORS

Sigma Pi Sigma (Physics Honor Society)
Pi Mu Epsilon (Mathematics Honor Society)
2013 Grace Hopper Celebration Scholarship Recipient

COMMUNITY SERVICE

WISE Undergraduate-Graduate Mentor Program 2017-2018

Graduate Mentor

ACM CHI 2015

Student Volunteer

PROFESSIONAL SKILLS

Programming

C/C++, Python, HTML&CSS, JavaScript (jQuery, D3.js, AJAX), R, Java (Android Development), Matlab, SQL

Design

Storyboarding, Scenario, Information Architecture, Wireframing, Prototyping, Usability Testing.

User Research

Competitor Analysis, Survey, Interviews, Contextual Inquiry, Field Research