



# Susannah Go

Graduate Research Assistant

## Objective

Data science research internship for summer 2016.

## Address

CS Dept  
PKI 379  
6001 Dodge Street  
Omaha, NE 68182

## Cell Phone

712-310-2834

## Email

sgo@  
unomaha.edu

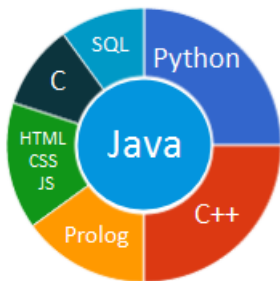
## Web & Git

susannahgo.com  
linkedin.com/in/susannahgo  
github.com/susannah-go

## Education

- 2013 - Now **PhD in Information Technology** University of Nebraska at Omaha  
Expected December 2017  
Computer science specialization  
Research areas: Data mining of text and image data using dynamic topic models, clustering, and sentiment analysis.
- 2011 - Now **MS in Computer Science** University of Nebraska at Omaha  
Expected December 2016  
Capstone Research: *Correlating Retinal Thickness Changes in Left and Right Eyes of Patients with Age-Related Macular Degeneration*
- 2005 - 2007 **MS in Mathematics** University of Nebraska-Lincoln  
Main subjects: Analysis, Algebra, Point-Set Topology
- 2001 - 2005 **BA in Mathematics** Knox College  
Graduated *cum laude*  
Minors: Physics, Theoretical Computer Science  
Studied abroad in Budapest, Hungary

## Programming



## Experience

- 2014 - Now **Graduate Research Assistant** University of Nebraska at Omaha  
Performing research in the areas of data mining, health informatics, image analysis, and topic modeling.
- 2015 - 2015 **Graduate Teaching Assistant** University of Nebraska at Omaha  
Taught a face-to-face section of advanced Java programming.
- 2007 - 2014 **Assistant Professor/Instructor** Iowa Western Community College  
Taught online and face-to-face math courses ranging from developmental math to Differential Equations, advised students, advised various student organizations, participated in several outreach and recruitment activities.
- 2005 - 2007 **Graduate Teaching Assistant** University of Nebraska-Lincoln  
Led several recitation sections of Calculus I and II, taught several sections of developmental math, tutored students on a weekly basis, participated in several outreach and recruitment activities.

## Personal Skills



## Coding Challenges

Project Euler  
Rosalind

## OS Preference

Windows ★★★★★  
GNU/Linux ★★★★★  
Unix ★★★★★  
MacOS ★★★★★

## Citizenship



## Languages

English ★★★★★  
Spanish ★★★★★  
Hungarian ★★★★★

## Publications

S. Go, P. Chundi, M. Subramaniam, E. Margalit

### **Analyzing OCT Images of Age-Related Macular Degeneration Patients to Identify Spatial Health Correlations**

Proceedings of the 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2015), Milan, Italy, August 25-29, 2015

P. Chundi, S. Go

### **Latent Dirichlet Allocation for Text Mining**

*Encyclopedia of Information Science & Technology (3rd Edition)*

## Poster Presentations & Other Talks

S. Go

### **Discovering AMD Profiles Using Segmentation of OCT Images**

*Presented at Grace Hopper Celebration of Women in Computing (GHC 2015), Houston, TX, October 14-16, 2015*

A. Parakh, P. Chundi, M. Subramaniam, S. Go

### **DRSTI: A Workbench for Querying Optical Coherence Tomography Images**

*Poster presented at the 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2015), Milan, Italy, August 25-29, 2015*

S. Go, P. Chundi, M. Subramaniam, E. Margalit

### **Analyzing OCT Images of AMD Patients to Identify Spatial Health Correlations**

*Poster presented at the Computer Research Association's Committee on the Status of Women in Computing Research (CRA-W) Grad Cohort Workshop, San Francisco, CA, April 10-11, 2015*

S. Go, P. Chundi, E. Margalit

### **Clustering Retinal Images of Age-Related Macular Degeneration**

*Poster presented at the University of Nebraska at Omaha Student Research and Creativity Fair, Omaha, NE, March 6, 2015*

S. Go

### **Social Good through LDA**

*Presented at the Missouri Iowa Nebraska Kansas Women in Computing Conference (MINK WIC 2013), Kansas City, MO, October 18-19, 2013*

S. Go

### **The Prime Number Theorem: a History of the Distribution of Prime Numbers**

*Presented at Knox College Math Colloquium, Galesburg, IL, May 2005*

S. Go

### **Attacks on the Elliptic Curve Discrete Logarithm Problem**

*Presented at Knox College Summer Science Seminars, Galesburg, IL, August 2003*

## Grants, Honors, & Awards

2014	<b>Research Grant</b> Graduate Research and Creative Activity	University of Nebraska at Omaha
2011	<b>Award for Outstanding Teaching</b>	Noon Rotary Club of Council Bluffs
2011	<b>Keynote Speaker</b> Induction ceremony of the Alpha Omicron Tau chapter of the Phi Theta Kappa honor society	Iowa Western Community College
2003	<b>Research Grant</b> Ford Fellowship	Knox College

## Current and Past Professional Organizations

**AMATYC:** American Mathematical Association of Two-Year Colleges

**IEEE:** Institute of Electrical and Electronics Engineers

**IMATYC:** Iowa Mathematical Association of Two-Year Colleges

**ISEA:** Iowa State Education Association

**NADE:** National Association for Developmental Education

**NEA:** National Education Association

**MAA:** Mathematical Association of America

## Community Involvement

2010 - 2014	<b>Commissioner</b>	Council Bluffs Civil Rights Commission
2009 - 2014	<b>Board Member</b> Other offices held: treasurer, secretary, webmaster	Council Bluffs Community Alliance