

## Education

University of Illinois   B.S., Computer Science	Aug 2012 - May 2016
• Minor in Mathematics, GPA: 3.61	
Hononegah High School	Aug 2008 - May 2012

## Work Experience

University of Illinois   Engineering Learning Assistant	Aug 2015 - Present
• Designed over a dozen lesson plans for the introductory engineering orientation course	
• Teach a class of over thirty students	
University of Illinois   CARE Tutor	Aug 2013 - Present
• Tutor students in a variety of subjects between Mathematics, Computer Science, and Statistics	
• Am sole teacher in an office hour for first six introductory math courses	
University of Illinois   Course Design	May 2015 - Aug 2015
• Helped design a new Data Structures course for non-CS majors using D3 and Python	
• Worked with several popular API's like Wikipedia, Google, and Spotify in Python	
• Designed demos, homework, and lecture content for the semester-long course	

## Research Experience

University of Illinois   Malicious Flash Drives <b>(Paper)</b>	Jan 2015 - May 2015
• Tested security at UIUC by dropping pseudo-malicious flash drives around campus	
• Wrote an Android application to monitor progress as we dropped flash drives around campus	
• Worked with Google App Engine in Python and Android in Java	
University of Illinois   SmartTaxi System	May 2014 - Aug 2014
• Used 4TB of New York taxi data to simulate their behavior with a SmartTaxi system	
• Implemented ArcFlags and Contraction Hierarchies as well as KD-Trees to improve run-time	
• Improved algorithm developed by MIT to calculate velocities on city streets	

## Relevant Coursework

Artificial Intelligence  
Algorithms I, II, Graduate Topics  
Calculus I, II, III  
Combinatorics  
Computer Architecture  
Introduction to Data Science  
Data Structures  
Differential Equations  
Discrete Structures and Mathematics  
Hypergraphics  
Linear Algebra  
Machine Learning (Signal Processing)  
Natural Language Processing  
Numerical Methods  
Probability and Statistics I, II  
Programming Languages and Compilers

## Extra Curriculars

R/P Volunteer Chair	2015
HackIllinois Volunteer Chair	2015
Women in Computer Science	2014 - 2015
ACM	2013 - 2015

## Languages

Proficient: Python, Java, LaTeX  
Knowledgeable: Java (Android), C, C++  
Familiar: Javascript (D3), MATLAB, MIPS

## Distinctions

Google Games - 1st Place	2015
Campus Honors Program	2012 - 2015
Dean's List	2012 - 2014