
Education

08/2013–05/2017 **University of Notre Dame, Notre Dame, IN.**
B.S., Computer Science, Economics
GPA: 3.99/4.0

Experience

Research

02/2016–present **Natural Language Processing Group**, University of Notre Dame.
Advisor: David Chiang
◦ Implemented various algorithms to study the sentence length distribution of PCFG
◦ Improve graph grammar HRG to model graph size

08/2014–03/2016 **Emotive Computing Lab**, University of Notre Dame.
Advisor: Sidney D'Mello
◦ Studied people's mind wandering while they are watching a movie
◦ Implemented data processing programs and applied machine learning algorithms

06/2014–08/2014 **Nanotechnology Research Fellowship**, University of Notre Dame.
Advisor: Patrick Fay
◦ Did research on Quilt Packaging
◦ Run simulations with HFSS and designed CPW Geometry

Industry

05/2016–08/2016 **LinkedIn Inc., Software Engineering Intern**, Mountain View, CA.
◦ Developed and integrated a Java application to automate stress testing for the LinkedIn android application
◦ Used face detection in android to develop an image cropping utility for LinkedIn android application

05/2015–08/2015 **Google Inc., Engineering Practicum Intern**, Mountain View, CA.
◦ Improved the GoogleCamera Refocus app performance by optimizing code, improving memory cache, and applying other compiler optimization
◦ Used Android Studio and command line development tool to develop parallel image processing code for android

06/2014–08/2014 **SpringBoard Engineering Solutions, NDWaves Intern**, Notre Dame, IN.
◦ Designed, coded, and made creative musical instruments with Arduino for a creative concert of Third Coast Percussion in October, 2014

Publication

2016 Mills, C., Bixler, R., Wang, X., & D'Mello, S.K. (2016). Automatic gaze-based detection of mind wandering during film viewing. In T. Barnes, M. Chi, & M. Feng (Eds.) Proceedings of the 9th International Conference on Educational Data Mining (EDM 2016) (pp. 30-37). International Educational Data Mining Society.

Teaching

Fall 2016	Design and Analysis of Algorithms	University of Notre Dame, TA
Spring 2016	Theory of Computing	University of Notre Dame, TA

Honors and Awards

- 2016-2017 **Tau Beta Pi Engineering Scholarship**, *University of Notre Dame*.
Fall 2015 **Grace Hopper Scholarship**, *Travel Award to Grace Hopper Conference*.
2013-2016 **Dean's List**, *All Semesters*, University of Notre Dame.
2013 **Greater China Scholarship**, *University of Notre Dame*.

Activities

- 09/2015–Now **Lean In Notre Dame**, *Co-Founder*, Notre Dame, IN.
- Co-founded the Lean In Notre Dame chapter
 - Lead bi-weekly CSE circle events

Skills

Natural Language: Chinese(Native), English(Bilingual)
Computer: C/C++, Python, Java, Android, Django