

# RICO ANGELL

## EDUCATION

**University of Massachusetts, Amherst, MA** September 2017 - Present  
Ph.D. student, College of Information and Computer Sciences

**University of Michigan, Ann Arbor, MI** September 2013 - April 2017  
B.S.E., Computer Science and Engineering, *Magna Cum Laude* and Engineering Honors  
Minor in Mathematics

## EXPERIENCE

**MIT Lincoln Laboratory** May 2017 - August 2017  
Intelligence and Decision Technologies Group  
*Research Intern, Advised by Kyle O'Brien and Michael Yee*  
Developed and implemented a technique for automatically selecting a machine learning algorithm and optimizing its hyperparameters given a dataset and method for model validation.

**Non-submodular Influence Maximization** May 2015 - May 2017  
*Advised by Prof. Grant Schoenebeck*  
Developed a novel algorithm for the Influence Maximization problem based on the hierarchical structure common to social networks.

**Hardware Bug Triage Using Machine Learning** September 2013 - September 2015  
*Advised by Dr. Andrew DeOrio*  
Developed Machine Learning based algorithms to cluster failures of hardware tests based on root cause.

**Programming and Introductory Data Structures (University of Michigan)** Winter 2015  
*Teaching Assistant*  
Lead a weekly discussion section and held office hours.

## PRESENTATIONS & PUBLICATIONS

**Don't Be Greedy: Leveraging Community Structure to Find High Quality Seed Sets for Influence Maximization** ([arXiv](#))  
Rico Angell and Grant Schoenebeck. *Conference on Web and Internet Economics (WINE)*, Bangalore, India, December 2017. (Conference Paper)

**A Topological Approach to Hardware Bug Triage** ([pdf](#))  
Rico Angell, Benjamin Oztalay, and Andrew DeOrio. *Microprocessor Test and Verification (MTV)*, Austin, TX, December 2015. (Conference Paper)

**Hardware Bug Triage Using Machine Learning** ([pdf](#))  
Rico Angell, Benjamin Oztalay, Noel Bhattacharyya and Andrew DeOrio. *Design Automation Conference (DAC)*, San Francisco, CA, June 2015. (Poster)

## HONORS & AWARDS

NEAGEP Fellowship  
A. Richard Newton Young Fellow (*Design Automation Conference 2015*)  
Summer Undergraduate Research in Engineering Program (UM): Summer 2015  
Intel Semiconductor Research Corporation Undergraduate Fellowship: Summer 2014  
Engineering Dean's List & University Honors: All terms

## SKILLS

**Languages:** Python, C/C++, shell scripting  
**Tools:** Amazon AWS, PBS job manager, git  
**Software:** L<sup>A</sup>T<sub>E</sub>X, Boost C++ Libraries, scikit-learn