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)*, Banga-
lore, 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 Con-
ference (DAC)*, San Fransisco, 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: LaTeX, Boost C++ Libraries, scikit-learn