

Krishna Bathina

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Education

- 2014-'19 exp.** **PhD, Complex Systems;** Indiana University (Bloomington)
- 2014-'17** **MS, Computer Science;** Indiana University (Bloomington)
- 2010-'14** **BS, Comput. and Math. Modeling in Biology and Epidemiology;** University of Michigan (Ann Arbor)
Thesis title: Loss of Immunity, Seasonality & Patterns of Oscillations in Cholera
- BS, Psychology;** University of Michigan (Ann Arbor)
Thesis title: Agent-Based Models Investigating the Robustness of Zipf's Law in Language with Different Modes of Transmission through Multiple Generations
Minor: Biophysics

Work Experience

- May - Aug 2016** **Internship at HRL Laboratories** - Worked with the full Tumblr dataset to build an agent based model about posting behavior during times of social unrest

Conferences

- CHI 2016 (San Jose, CA) - Bridging the Gap between Privacy by Design and Privacy in Practice
- 3rd annual preconference on Dynamical Systems and Computational Modeling in Social Psychology, Society for Personality and Social Psychology 2014 (Austin, TX) - Grim P., Liu MZ, Bathina K., Liu N., Gordon J. Opinion Instability in Democratic and Anti-Democratic Networks: Suggestions from an Agent-Based Model.
- MCubed Symposium 2013 (Ann Arbor, MI) - Baptista M., Kollman K., Baik J., Bathina K., Liu MZ. Modeling Convergence, Innovation and Divergence in Creole Genesis

Services

- 2010 - '13** **President of Project Flavor at University of Michigan** - Fundraised, gathered food, organized volunteers, and cooked bi-weekly meals for families at the Ronald McDonald House near the UM Motts Children's Hospital

Teachings

- **Mathematical Foundations of Informatics** (TA) Fall 2014 - Spring 2015
- **Agent Based Models** (TA) Fall 2013
- **Modeling in Political Science** (TA) Fall 2013

Skills

- Languages (by skill) - Python, R, Netlogo, C, Mathematica, Matlab
- Analysis - Big Data, Network Analysis