Stanford

Arun Jambulapati

Ph.D. Student in Computational and Mathematical Engineering, admitted Spring 2016

Bio

HONORS AND AWARDS

- NSF Graduate Research Fellowship Program, National Science Foundation (2014-2017)
- Dean's List, University of Memphis (Fall 2010 - Spring 2014)
- Placed in Top 250 (among 4113 participants) in 2013, The William Lowell Putnam Mathematical Competition (12/07/2013)
- NSF Research Experiences for Undergraduates, National Science Foundation (Summer 2013)

EDUCATION AND CERTIFICATIONS

- BS, University of Memphis, TN , Mathematics - major Econ. - minor (2014)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Assistant Coach for High School math Olympiad team
- Chess Coach

PERSONAL INTERESTS

Chemistry, Chess, Reading, Mathematics

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cataloging small-order graph saturation numbers for specific graphs

PROJECTS

- Research Project with Dr. Vijay Vazirani, Georgia Tech, Spring 2016 - Georgia Tech (3/14/2016 - 5/12/2016)
- Masters Research (CME 291) with Dr. Reza Zadeh, Stanford University, Spring 2015 - Stanford University (3/23/2015 - 5/22/2015)
- Independent Research Project with Dr. Virginia Williams, Stanford University, Winter 2015 - Stanford University
- Independent Research Project with Dr. Ralph Faudree, University of Memphis, Spring - Summer 2014 - University of Memphis

Teaching

COURSES

2020-21

- Introduction to Scientific Python: CME 193 (Aut, Win, Spr)

2019-20

- Advanced Topics in Scientific Computing with Julia: CME 257 (Aut)

Professional

WORK EXPERIENCE

- Algorithms Refresher - ICME_Stanford University - Stanford University (9/19/2016 - 9/22/2016)
- CMU 305 Discrete Mathematics and Algorithms Quals Review Session - ICME_Stanford University - Stanford University
- Discrete Mathematics and Algorithms Teaching Assistant - ICME_Stanford University - ICME - Stanford University (1/4/2016 - 3/25/2016)
- Summer Internship - Sandia National Laboratories - Sandia National Laboratories (5/11/2015 - 8/28/2015)
- National Science Foundation Research Experiences for Undergraduates - School of Mathematics_Georgia Tech - Georgia Institute of Technology, Atlanta (May 6, 2013 - August 12, 2013)
- Tutor - Center for Athletic Academic Services, University of Memphis - University of Memphis (1/14/2013 - 4/19/2013)

Publications

PUBLICATIONS

- **A Collection of Results on Saturation Numbers**
  Jambulapati, A., Faudree, R.
  https://icme.stanford.edu/system/files/file-insertions/A%20Collection%20of%20Results%20on%20Saturation%20Numbers.pdf.
  2015
- **Approximating Resolvents for Volterra Integral Equations** *DYNAMICS OF CONTINUOUS, DISCRETE AND IMPULSIVE SYSTEMS Series A: Mathematical Analysis*
  Dwiggins, D., Jambulapati, A.
  2013: 43-51

PRESENTATIONS

- Prismoid Unfoldings and Corollaries to Prismatoids - Works in Progress Symposium at University of Memphis, TN (November 4, 2013)