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ZACHARY LANGLEY

- education** RUTGERS UNIVERSITY. *New Brunswick, NJ.*
Ph.D., Computer Science, 2019–*expected* 2024.
ROCHESTER INSTITUTE OF TECHNOLOGY. *Rochester, NY.*
B.S., Computer Science, 2014.
- research interests** I am broadly interested in the design and analysis of algorithms, especially graph algorithms.
- publications** *Improved bounds for distributed load balancing*, with Sepehr Assadi and Aaron Bernstein. International Symposium on Distributed Computing (DISC 2020). **Best Paper Award.**
Minimum planar multi-sink cuts with connectivity priors. Ivona Bezáková and Zachary Langley. International Symposium on Mathematical Foundations of Computer Science (MFCS 2014).
Contiguous minimum single-source-multi-sink cuts in weighted planar graphs. Ivona Bezáková and Zachary Langley. International Computing and Combinatorics Conference (COCOON 2012).
- teaching experience** RUTGERS UNIVERSITY, *New Brunswick, NJ.*
Teaching Assistant for CS 440: Intro. to Artificial Intelligence. Spring 2020
Teaching Assistant for CS 344: Dsgn. and Analysis of Algorithms. Fall 2019
- research experience** UNIVERSITY OF ROCHESTER, *Rochester, NY.* Summer 2012
Research Experience for Undergraduates (REU) student.
• Supervised by Prof. Daniel Štefankovič.
• Studied Markov chains to develop fast algorithms for sampling and counting various combinatorial objects, including self-organizing lists and graph colorings.
ROCHESTER INSTITUTE OF TECHNOLOGY, *Rochester, NY.* Summer 2011
Center for Student Innovation Undergraduate Summer Research and Innovation Fellow.
• Supervised by Prof. Ivona Bezáková.
• Designed and analyzed novel optimization and counting algorithms for problems in planar graphs.
- professional experience** COLOR GENOMICS. *Burlingame, CA.* Software Engineer. 2017–2019
OPERATOR. *San Francisco, CA.* Software Engineer. 2015–2017
TWITTER. *San Francisco, CA.* Software Engineer. 2013–2015

GOOGLE. *Cambridge, MA*. Software Engineer Intern. Summer 2013

ROCHESTER INSTITUTE OF TECHNOLOGY. *Rochester, NY*. 2011–2013
Computer Science Theory Tutor.

honors
& awards

Best Paper Award at the International Symposium on Distributed Computing (DISC) 2020.

B. Thomas Golisano College of Computer and Information Sciences Research Seed Funding Recipient, 2012.

Center for Student Innovation Undergraduate Summer Research and Innovation Fellowship Recipient, Summer 2011.

Placed 3rd, 6th, 3rd in the ACM-ICPC Northeast North America Regional Finals in 2010, 2011, 2012.