**Caleb Belth**

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Twitter: <https://twitter.com/cbelth>

**Education**

PhD, Computer Science, University of Michigan, Ann Arbor, MI, 2018-Present

4.0 GPA

Advisor: Danai Koutra

B.S., Computer Science, Purdue University, West Lafayette, IN, 2014-2018

3.84 GPA,

Minors: Philosophy, Mathematics

Research Advisors: Jennifer Neville, Dan Goldwasser, Daisuke Kihara

**Research Interests**

Graph Mining, Complex Systems, Information Theory, Cognitive Science, Theory of Computation.

**Awards and Honors**

Rackham Travel Award: 2019

KDD Travel Award: 2019

Dean’s List (Purdue): Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017

Semester Honors (Purdue): Spring 2015, Fall 2015, Spring 2016, Fall 2016, Spring 2017, Fall 2017

**Publications**

**Conference**

1. Tara Safavi, Caleb Belth, Lukas Faber, Davide Mottin, Emmanuel Muller, Danai Koutra.

*Personalized Knowledge Graph Summarization: From the Cloud to Your Pocket*.

IEEE International Conference on Data Mining (ICDM), November 2019.

1. Caleb Belth, Fahad Kamran, Donna Tjandra, and Danai Koutra. *When to remember where you came from: Node representation learning in higher-order networks*. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), August 2019.

**Workshop**

1. Caleb Belth, Fahad Kamran, Donna Tjandra, and Danai Koutra. *When to remember where you came from: Node representation learning in higher-order networks*. ACM

Workshop on Mining and Learning with Graphs (MLG), August 2019.

**Outreach**

Explore Graduate Studies, Ann Arbor, MI: October, 2019

MIDAS Data Science Summer Camp for High School Students, Ann Arbor, MI: July, 2019

**Invited Talks**

*ThinkB1G: Your Roadmap to Landing a Role at a Startup:* September 28, 2017

**Presentations**

*Purdue Undergraduate Research & Poster Symposium:* April 1st, 2017

**Reviewing**

Subreviewer for **KDD 2019**, **DSAA 2019**

**Industry Experience**

May 2018-Present: *Software Engineer Intern,* Sift, San Francisco, CA

May 2017-Aug 2017: *Software Engineer Intern,* Handshake, San Francisco, CA

May 2016-Aug 2016: *Software Engineer Intern,* Iris, Owosso, MI

Jun 2015-Aug 2015: *Software Engineer Intern,* Covenant Eyes, Owosso, MI

May 2014-Aug 2014: *Software Development Intern,* Enspire Software, Fort Wayne, IN

**Programming Languages in order of proficiency**

Python, Java, C, C++, Bash Scripting, Ruby, Scala

**Professional Membership**

Association of Computing Machinery (ACM) Student Member, 2019-Present