

Sneha Narayan

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Education

Northwestern University **2019**

PhD in Technology and Social Behavior (joint degree in Computer Science and Communication)

Central European University **2011**

MA in Sociology and Social Anthropology

Thesis: Making it in the mathematical community: The case of women mathematicians in Hungary

Oberlin College **2010**

BA in Mathematics (Honors), minor in Sociology

Thesis: Algebraic Methods in Graph Theory and Their Use in Graph Coloring

Experience

Assistant Professor

Department of Computer Science, Carleton College *2019 – Present*

Instructor

Department of Computer Science, Carleton College *2018-19*

Teaching/Research Assistant

Northwestern University *2012-18*

Teaching

- *CS111: Introduction to Computer Science* *Winter 2019, Fall 2019, Spring 2020, Fall 2020*
- *CS201: Data Structures* *Winter 2019, Spring 2019*
- *CS202: Math of Computer Science* *Fall 2019*
- *CS304: Social Computing* *Spring 2019, Fall 2020*
- *CS344: Human Computer Interaction* *Winter 2020*
- *CS399/400: Senior Seminar/Integrative Exercise* *Winter 2020, Spring 2020*

Research

Peer-Reviewed Conference Papers and Journal Publications

- 2020 Raman, Narun, Nathaniel Sauerberg, Jonah Fisher, and **Sneha Narayan**. "Classifying Wikipedia Article Quality with Revision History Networks". *Proceedings of the 16th International Symposium on Open Collaboration (OpenSym 2020)*.
- 2019 **Narayan, Sneha**, Nathan TeBlunthuis, Wm Salt Hale, Benjamin Mako Hill, and Aaron Shaw. "All Talk: How Increasing Interpersonal Communication on Wikis May Not Enhance Productivity". *Proceedings of the 2019 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2019)*.
- 2017 **Narayan, Sneha**, Jake Orlowitz, Jonathan Morgan, Benjamin Mako Hill, and Aaron Shaw. "The Wikipedia Adventure: Field Evaluation of an Interactive Tutorial for New Users". *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW 2017)*.
- 2011 Henrich, Allison, Noel MacNaughton, **Sneha Narayan**, Oliver Pechenik, and Jennifer Townsend. "Classical and virtual pseudodiagram theory and new bounds on unknotting numbers and genus". *Journal of Knot Theory and Its Ramifications*, 20(04), pp.625-650, 2011.
- 2011 Henrich, Allison, Noel MacNaughton, **Sneha Narayan**, Oliver Pechenik, Robert Silversmith, and Jennifer Townsend. A Midsummer Knot's Dream. *The College Mathematics Journal*, 42(2), pp.126-134, 2011

Dissertation

- 2019 **Narayan, Sneha**. "Three Studies on Technological Support for Participation in Volunteer Communities".

Presentations, Workshops, and Posters

- 2020 **Narayan, Sneha**, Shilad Sen. Invited panel presentation on Human in the Data, at the Institute for Advanced Study, University of Minnesota. Cancelled due to COVID-19.
- 2019 Critical Platform Studies Group, Lilly Irani, Niloufar Salehi, Joyojeet Pal, Andrés Monroy-Hernández, Elizabeth Churchill, **Sneha Narayan**. "Patron or Poison? Industry Funding of HCI research". Invited panel presentation at CSCW 2019: ACM Conference on Computer Supported Cooperative Work and Social Computing. Austin, TX, USA.
- 2019 **Narayan, Sneha**, Nathan TeBlunthuis, Wm Salt Hale, Benjamin Mako Hill, and Aaron Shaw. "All Talk: How Increasing Interpersonal Communication on Wikis May Not Enhance Productivity". Conference presentation at CSCW 2019: ACM Conference on Computer Supported Cooperative Work and Social Computing. Austin, TX, USA.

- 2019 **Narayan, Sneha**. "Social Computing, or, How I Learned to Stop Worrying About Disciplinary Boundaries and Love Being a Computer Scientist". Invited presentation at Summer Computer Science Institute (SCSI) 2019, Carleton College.
- 2019 **Narayan, Sneha**. "Wikipedia: From the Classroom, to the World". Invited talk at Day of Digital Humanities 2019, Carleton College.
- 2018 **Narayan, Sneha**. "Designing to Support Volunteer Participation in Distributed Organizations". Dissertation defense, Northwestern University.
- 2017 **Narayan, Sneha**, Jake Orlowitz, Jonathan Morgan, Benjamin Mako Hill, and Aaron Shaw. "The Wikipedia Adventure: Field Evaluation of an Interactive Tutorial for New Users". Livestream presentation as part of the Wikimedia Research Showcase.
- 2016 **Narayan, Sneha**, Jake Orlowitz, Jonathan Morgan, Benjamin Mako Hill, and Aaron Shaw. "The Wikipedia Adventure: Field Evaluation of an Interactive Tutorial for New Users". Conference paper presented at ICA '16: International Communication Association Annual Conference. Fukuoka, Japan.
- 2016 **Narayan, Sneha**, Jake Orlowitz, Jonathan Morgan, Benjamin Mako Hill, and Aaron Shaw. "Organizational Socialization in a Peer Production Community? An Evaluation of The Wikipedia Adventure". Poster presented at OCMC '16: Organizational Communication Mini Conference. Evanston, IL, USA.
- 2015 **Narayan, Sneha**, Jake Orlowitz, Jonathan Morgan, and Aaron Shaw. "Effects of a Wikipedia Orientation Game on New User Edits". Poster presented at CSCW 2015: ACM Conference on Computer Supported Co-operative Work and Social Computing. Vancouver, BC, Canada.
- 2015 *Advancing an Industry/Academic Partnership Model for Open Collaboration Research*. One-day workshop at CSCW 2015: ACM Conference on Computer Supported Co-operative Work and Social Computing. Vancouver, BC, Canada
- 2015 *Network Theory: Peer Production Networks*. Three-day workshop as part of the 7th annual ANN-SONIC International Workshop on Network Theory.
- 2013 Young, Lindsay, **Sneha Narayan**, and Noshir Contractor. "Issue Spaces as Semantic and Social Networks: does what you know determine who you know, and vice versa?" Conference presentation at Sunbelt XXXIII: annual meeting of the International Network for Social Network Analysis. Hamburg, Germany.

Popular Coverage

- *Source Code Berlin*: Rethinking the New User Experience. (July 30th, 2017)
Half-hour long podcast episode featuring my research on orienting new users on Wikipedia
- *Bad Voltage*: Infinite Loop of Hack Back. (June 29th, 2017)
Twenty minute discussion of my research on training new users on Wikipedia on a popular technology and open culture podcast

Service and Memberships

Reviewing

CSCW: ACM Conference on Computer-Supported Co-operative Work and Social Computing (2017, 2018, 2019, 2020)

CHI: ACM Conference on Human Factors in Computing (2016)

Institutional and Departmental Service

Environmental Advisory Committee, Carleton College (2019-20, 2020-21)

Course Staff Manager, Computer Science Department, Carleton College (2020-21)

Tenure-track Hiring Committee, Computer Science Department, Carleton College (2019, 2020)

Visiting Hiring Committee, Computer Science Department, Carleton College (2019, 2020)

Grace Hopper Conference Wrangler, Computer Science Department, Carleton College (2019)

Founding Member, Northwestern University Graduate Workers (2016-2018)

Technology and Social Behavior Community Dinner Committee, Northwestern University (2012-13)

Academic Affiliations

ACM: Association for Computing Machinery

Non-Profit Affiliations

Board Member, The Recyclery Collective (2015-2019)

Board Member, North American Students of Co-operation (2014-15)