Katherine Van Koevering

Curriculum Vitae

Bowers School of Computer Science
Cornell University
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Education

2018–present **PhD, Computer Science**, *Cornell University*, Ithaca.
Supervised by Jon Kleinberg

2014–2018 **BSc, Computer Science**, *University of Washington*, Seattle.
Data Science Concentration, Magna Cum Laude

2014–2018 **BSc, Statistics**, *University of Washington*, Seattle.
Magna Cum Laude

Publications

2024 **Van Koevering, Katherine**, Ashley Young*, Meryl Ye*, and Jon Kleinberg. Freezing and thawing of linguistic binomials. *Science, Under Review*, 2024.

2024 **Van Koevering, Katherine**, Meryl Ye*, and Jon Kleinberg. What's in a niche? migration patterns in online communities. *The Web Conference, Under Review*, 2024.

2024 **Van Koevering, Katherine** and Jon Kleinberg. How random is random? evaluating the randomness and humaness of llms' coin flips. *AAAI, Under Review*, 2024.

2024 **Van Koevering, Katherine**, Yiquan Hong*, and Jon Kleinberg. Social tectonics: Rapid organization of online communities. Poster presented at IC2S2, Philadelphia, USA, 2024.

2024 **Van Koevering, Katherine**, Yiquan Hong*, and Jon Kleinberg. Social tectonics: Rapid organization of online communities. *PlosOne, Under Review*, 2024.

2021 **Van Koevering, Katherine**, Austin Benson, and Jon Kleinberg. Random graphs with prescribed k-core sequences: A new null model for network analysis. In *Proceedings of the Web Conference 2021*, pages 367–378, 2021.

2020 **Van Koevering, Katherine**, Austin R Benson, and Jon Kleinberg. Frozen binomials on the web: Word ordering and language conventions in online text. In *Proceedings of The Web Conference 2020*, pages 606–616, 2020.

2018 Kate Starbird, Ahmer Arif, Tom Wilson, **Katherine Van Koevering**, Katya Yefimova, and Daniel Scarnecchia. Ecosystem or echo-system? exploring content sharing across alternative media domains. In *Proceedings of the International AAAI Conference on Web and Social Media*, volume 12, 2018.

*undergraduate collaborators

Experience

Research Experience

Spring 2023 ***Instructor***, *CS 4820, Advanced Algorithms*, Cornell University.
Co-taught senior level algorithms course (450 students) with Eshan Chattopadhyay. Responsibilities included lectures, homeworks, managing course logistics, exams, office hours, etc.

Summer 2021 ***Research Intern***, *Microsoft Research*, Dr. Jennifer Neville.

Summer 2020 ***Research Intern***, *Microsoft Research*, Dr. Julia Kiseleva.

2017 – 2018 ***Undergraduate Research Assistant***, *University of Washington*, Prof. Kate Starbird.

2015 – 2016 ***Undergraduate Research Assistant***, *University of Washington*, Prof. Richard Anderson.

Work Experience

Summer 2017 ***Software Engineering Intern***, *Facebook*.

Summer 2016 ***Software Engineering Intern***, *Zillow*.

Other Experience

2022 – present **Room Reservation Czar**, Managed meeting room availability for Computer Science School in Gates Hall.

2018 – 2021 **Secretary, Board Member**, *Computer Science Graduate Organization*, One of three leaders of the graduate student organization for computer science, leading efforts to manage TA overwork, food waste, and more.

2017 **Officer, Board Member**, *ACM-W*, UW Chapter.

Teaching Assistantship

Spring 2022 **CS 1340: Choices and Consequences in Computing**, Cornell University.

Fall 2021 **CS 6850: Graduate Information Networks**, Cornell University.

Computer skills

Programming Languages	Python, Java, Julia, bash, R
Web Technologies	HTML 5, Javascript
Database	SQL