

Tanvi Bajpai

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- EDUCATION** **University of Illinois at Urbana Champaign (UIUC), IL**
2019 - Present
Ph.D. in Computer Science, GPA: 4.0
Expected Graduation May, 2024
Advisors: Chandra Chekuri (Theoretical CS) and Eshwar Chandrasekharan (Human-Computer Interaction)
- Carnegie Mellon University (CMU), Pittsburgh, PA**
2015 - 2019
B.S. in Computer Science with Additional Major in Discrete Math & Logic, GPA: 3.6
- TEACHING** **Teaching Assistant (TA) for the following courses:**
- UIUC:**
CS173: Discrete Structures. F19⁺, Summer 20⁺
CS473: Algorithms. S20
CS374: Introduction to Algorithms and Models of Computation, F20⁺, F21
⁺ - denotes semester placed on "Teachers Ranked as Excellent" list [↗](#)
- CMU:**
15-151: Mathematical Foundations of Computer Science. F16,F17*,F18*
15-451/15-651: Algorithm Design and Analysis. S18,S19
* - denotes semester spent as Head TA
- WORK EXPERIENCE** **Illinois Secondary Teacher and Computer Science Initiative [↗](#) Fall 2020-**
Designing a course to teach Discrete Mathematics to Illinois secondary school teachers as a part of a Computer Science curriculum.
- Microsoft - Explorer Intern Summer 2017**
Worked for the Xbox Live Social team and their affiliate streaming platform Mixer. Developed a Node.js SDK to aid in chat-bot creation for Mixer and XBL users, and created a moderator chat-bot named MOSSMO that could monitor the overall sentiment of a chat and report users in order to demonstrate the SDK's functionality.
- PUBLICATIONS** **Harmonizing the Cacophony: An Affordance-aware Framework of Audio-Based Social Platform Moderation.**
Tanvi Bajpai, Drshika Asher, Anwesa Goswami, Eshwar Chandrasekharan
(Preprint, Submitted to CSCW 2021)
- Revisiting Priority k -Center: Fairness and Outliers.**
Tanvi Bajpai, Deeparnab Chakrabarty, Chandra Chekuri, Maryam Negahbani
(Appears in International Colloquium on Automata, Languages and Programming 2021)
- A new system-wide diversity measure for recommendations with efficient algorithms.**
Arda Antikacioglu, Tanvi Bajpai, R. Ravi
(Appears in SIAM Journal on Mathematics of Data Science, Volume 1)
- OUTREACH** **Graduate Women in Computer Science (GradWCS) organization, Co-President, UIUC 2019-present**
Responsible for reviving the GradWCS organization and organizing events for female graduate students in the CS department; develops panels and events for the undergraduate students studying CS to promote female participant in research and teaching.

**Women School of Computer Science (W@SCS),
Undergraduate event coordinator, Graduate student liaison, 2017-2019**
Created events relating to teaching, research, and impostor syndrome. Coordinated events with the graduate students to promote interest in research and going to graduate school.

SERVICE **Broadening Participation in Computing Committee, UIUC 2020-present**

SCS Dean Search Committee, CMU 2018-2019

HONORS AND AWARD **K&L Gates Prize ☞ 2019**
University award for graduating senior who has best inspired fellow students at the university to love learning through a combination of intellect, high scholarly achievement, engagement with others and character. \$5,000.

CMU Women's Association Outstanding Graduating Senior Award ☞ 2019
Award for graduating senior students, with a preference for students who demonstrate a commitment to the advancement of women in their academic pursuits. \$1,500.

Mark Stehlik Introductory & Service Teaching Award ☞ 2019
Award for graduating senior who brings their best and indispensable efforts to teaching introductory courses. \$400.

CMU Senior Leadership Recognition 2019

CMU University Honors 2019

Mark Stehlik SCS Alumni Undergraduate Impact Scholarship ☞ 2018
Scholarship recognizes and supports SCS undergraduates whose drive for excellence extends beyond the classroom - students who make a difference both in the field of computer science and the world around them. \$2,500.