

# VIDUSHI OJHA

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## EDUCATION

*Doctor of Philosophy* in Computer Science expected May 2024  
University of Illinois at Urbana-Champaign (UIUC), IL  
*Bachelor of Science* in Joint Computer Science & Mathematics 2017  
Harvey Mudd College (HMC), Claremont, CA

## AWARDS & HONORS

GIANT Diversity Student Leadership Award, UIUC 2023  
Outstanding Teaching Assistant, UIUC 2021  
Graduate Student Outstanding Ambassador Award, UIUC 2020  
Chirantan J. (CJ) Desai and Hina Desai Computer Science Fellowship, UIUC 2019  
Honors in Computer Science, HMC 2017

## GRANTS & FUNDING

Institute for Inclusion, Diversity, Equity, and Access, UIUC (GIANT Grant, \$13,000) 2020

## PUBLICATIONS

**Ojha, V.**, West, L., & Lewis, C. M. (2024). Computing Self-Efficacy in Undergraduate Students: A Multi-Institutional and Intersectional Analysis. In *Proceedings of the 2024 ACM SIGCSE Technical Symposium on Computer Science Education*.

Perdriau, C., **Ojha, V.**, Gray, K., Lagesse, B., & Lewis, C. M. (2024). The Diversity-Hire Narrative in CS: Sources, Impacts, and Responses. In *Proceedings of the 2024 ACM SIGCSE Technical Symposium on Computer Science Education*.

Cowit, N. Q., **Ojha, V.**, & Fiesler, C. (2024). How do Computing Students Conceptualize Cybersecurity? Survey Results and Strategies for Curricular Integration. In *Proceedings of the 2024 ACM SIGCSE Technical Symposium on Computer Science Education*.

**Ojha, V.**, Perdriau, C., Lagesse, B., & Lewis, C. M. (2023). Computing Specializations: Perceptions of AI and Cybersecurity Among CS Students. In *Proceedings of the 2023 ACM SIGCSE Technical Symposium on Computer Science Education*.

Hastings, E. M., **Ojha, V.**, Austriaco, B. V., Karahalios, K., & Bailey, B. P. (2023). Composing Team Compositions: An Examination of Instructors' Current Algorithmic Team Formation Practices. In *ACM SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing*.

**Ojha, V.**, Platero, R. E., & Bullock, B. B. (2022). Forming and Fulfilling Expectations: Perspectives of Underrepresented Computer Science Doctoral Students. In *2022 Collaborative Network for Engineering & Computing Diversity*.

Isenegger, K., Birhane, Y., **Ojha, V.**, Coxe, C., & Lewis, C. M. (2021). Understanding and Expanding College Students' Perceptions of Computing's Social Impact. In *Conference on Research in Equitable and Sustained Participation in Engineering, Computing, and Technology*.

## WORKSHOPS & INVITED TALKS

Brown, N. C. C., Weintrop, D., **Ojha, V.**, & Isenegger, K. (2023, March). Registered Reports and Preregistration: A New Way to Conduct Research. In *Proceedings of the 2023 ACM SIGCSE Technical Symposium on Computer Science Education*.

Blaser, B., Hovey, C. L., **Ojha, V.**, & Pérez Quiñones, M. A. (2023, March). Engaging with Identity, Inclusion, & Intersectionality: Videos that Spark Conversations. In *Proceedings of the 2023 ACM SIGCSE Technical Symposium on Computer Science Education*.

Lewis, C. M., Fong, M. M., Fowler, M., Isenegger, K., **Ojha, V.**, Perdriau, C., & Saffar Perez, M. (2023, March). Using Physical Models of Java to Make Abstract Concepts Concrete. In *Proceedings of the 2023 ACM SIGCSE Technical Symposium on Computer Science Education*.

Quinn, B. A., **Ojha, V.**, & George, K. L. (2021, December). Videos that Spark Conversation [Diversity training]. *National Center for Women & Information Technology*.

Fong, M. M., Fowler, M., Poulsen, S., **Ojha, V.**, & Herman, G. L. (2021, October). Building Regional Community For Computing Education Graduate Students. In *2021 Consortium for Computing Sciences in Colleges (CCSC) Midwest Conference*.

Lewis, C. M., & **Ojha, V.** (2021, October). Diversity, Equity, and Inclusion [TA training]. *University of Illinois at Urbana-Champaign*.

George, K. L., **Ojha, V.**, Fong, M. M., Fowler, M., Lewis, C. M., & Perdriau, C. (2021, September). Strategies for Building Momentum and Buy-in for BPC Efforts. In *2021 Richard Tapia Celebration of Diversity in Computing Conference (TAPIA)*.

Lewis, C. M., & **Ojha, V.** (2021, April). Diversity, Equity, and Inclusion [TA training]. *University of Illinois at Urbana-Champaign*.

Lewis, C. M., Quinn, B. A., **Ojha, V.**, Achenbach, G., Lee, C. B., & McMullen, K. (2021, February). Terms to Know and Videos to Help: Gender-identity, Sex, Sexual Orientation, Pronouns, Race, Intersectionality, Privilege, & Bias. In *Proceedings of the 2021 ACM SIGCSE Technical Symposium on Computer Science Education*.

## TEACHING EXPERIENCE

*Co-Instructor*, UIUC 2022

- Introduction to Inclusive Terminology Seminar

*Teaching Assistant*, UIUC 2021—2022

- Introduction to Computing: Non-Tech
- Ethical & Professional Issues (Outstanding TA)

*Co-Instructor*, TRiO Upward Bound 2022

- Introduction to Python

*Tutor*, HMC 2014—2017

- CS: Introduction to CS, Principles of CS, Computability & Logic, Artificial Intelligence
- Mathematics: Calculus, Probability & Statistics, Linear Algebra, Differential Equations, Multivariable Calculus, Differential Equations and Linear Algebra II

### **LEADERSHIP & SERVICE**

*Member*, Graduate Study Committee, UIUC 2022—present

*Member*, CS-CARES Committee, UIUC 2021—present

*Co-President*, Computer Science Graduate Students' Organization, UIUC 2020—2023

*Member*, Grainger College of Engineering Diversity Committee, UIUC 2021—2022

*Resident Assistant*, HMC 2015—2017

*Honor Board Representative*, HMC 2014—2016

### **INDUSTRY EXPERIENCE**

*Software Engineer*, Originate 2017—2019

*Software Engineering Intern*, Originate 2016