VIDUSHI OJHA

vojha.github.io | (909) 493-0888 | vojha3@illinois.edu

EDUCATION

Doctor of Philosophy in Computer Science   expected May 2024
University of Illinois at Urbana-Champaign, IL

Bachelor of Science in Joint Computer Science & Mathematics   2017
Harvey Mudd College, Claremont, CA

WORK EXPERIENCE

Software Engineer, Originate   2017—2019
- Built a variety of products from concept to launch, such as iOS applications, websites, and Alexa Skills, for established corporations and high-velocity start-ups

Software Engineering Intern, Originate   2016
- Worked in a team of 3 to build a Rails API that uses JSON-RPC to create tournaments and award prizes from within a game, for Versus Systems

TEACHING EXPERIENCE

Co-Instructor, University of Illinois at Urbana-Champaign   2022
- Course: CS 491 EIT Intro to Inclusive Terminology (FA22)

Teaching Assistant, University of Illinois at Urbana-Champaign   2021—2022
- Courses: CS 105 Intro Computing: Non-Tech (FA22), CS 210 Ethical & Professional Issues (outstanding TA, SP21)

Co-Instructor, TRiO Upward Bound   2022
- Course: Introductory Python (SU22)

Academic Excellence Tutor in Mathematics, Harvey Mudd College   2015—2017
- Courses: MATH 30 Calculus, MATH 35 Probability & Statistics, MATH 40 Introduction to Linear Algebra, MATH 45 Introduction to Differential Equations, MATH 60 Multivariable Calculus, MATH 65 Differential Equations and Linear Algebra II

Computer Science Grader and Tutor, Harvey Mudd College   2014—2016
- Courses: CS 5 Introduction to Computer Science, CS 60 Principles of Computer Science, CS 81 Computability & Logic, CS 151 Artificial Intelligence

AWARDS & HONORS

Outstanding Teaching Assistant   2021
Graduate Student Outstanding Ambassador Award   2020
Chirantan J. (CJ) Desai and Hina Desai Computer Science Fellowship   2019

GRANTS & FUNDING

Institute for Inclusion, Diversity, Equity, and Access (GIANT Grant #2020-03)   2020—2022
Decreasing Barriers for Underrepresented Groups by Clarifying Expectations in Graduate School

PUBLICATIONS

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

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

V. Ojha, R. E. Platero, and B. B. Bullock, "Forming and fulfilling expectations: Perspectives of underrepresented computer science doctoral students," *2022 Collaborative Network for Engineering & Computing Diversity (CoNECD)*, 2022.

K. Isenegger, Y. Birhane, **V. Ojha**, C. Coxe, and C. M. Lewis, "Understanding and expanding college students' perceptions of computing's social impact," *2021 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT)*, 2021.

PRE-PRINTS

V. Ojha, L. West, and C. M. Lewis, "Computing Self-Efficacy in Undergraduate Students: A Multi-Institutional and Intersectional Analysis," *in submission.*

C. Perdriau, **V. Ojha**, K. Gray, B. Lagesse and C. M. Lewis, "The Diversity-Hire Narrative in CS: Sources, Impacts, and Responses," *in submission.*

N. Q. Cowit, **V. Ojha**, and C. Fieseler, "How do Computing Students Conceptualize Cybersecurity? Survey Results and Strategies for Curricular Integration," *in submission.*

WORKSHOPS & INVITED TALKS

N. Brown, D. Weintrop, **V. Ojha**, and K. Isenegger, "Registered Reports and Preregistration: A new way to conduct research," *2023 ACM Technical Symposium on Computer Science Education (SIGCSE)*, March 2023.

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

B. A. Quinn, **V. Ojha**, and K. L. George, "Videos that Spark Conversation," National Center for Women & Information Technology, virtual workshop, December 2021.

M. M. Fong, M. Fowler, S. Poulsen, **V. Ojha**, and G. L. Herman, "Building regional community for computing education graduate students," *2021 Consortium for Computing Sciences in Colleges (CCSC) Midwest Conference*, workshop, Fort Wayne, IN, October 2021.

C. M. Lewis and **V. Ojha**, "Diversity, Equity, and Inclusion," University of Illinois at Urbana-Champaign, guest lecture, Urbana, IL, October 2021.

K. L. George, **V. Ojha**, M. M. Fong, M. Fowler, C. M. Lewis, and C. Perdriau, "Strategies for Building Momentum and Buy-in for BPC Efforts," *2021 Richard Tapia Celebration of Diversity*

in Computing Conference (TAPIA), Birds of a Feather virtual session, September 2021.

C. M. Lewis and **V. Ojha**, "Diversity, Equity, and Inclusion," University of Illinois at Urbana-Champaign, virtual guest lecture, April 2021.

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

LEADERSHIP & SERVICE

Member, CS-CARES Committee	2021—present
Member, Graduate Study Committee	2022—2023
Co-President, Computer Science Graduate Students' Organization	2020—2023
Member, Grainger College of Engineering Diversity Committee	2021—2022
Dorm Mentor and *Proctor*, HMC Division of Student Affairs	2015—2017
Honor Board Representative, Associated Students of Harvey Mudd College	2014—2016