

Vineet Pandey
vineet.pandey@utah.edu

Employment / Experience

- 2023-** Assistant Professor, Kahlert School of Computing, University of Utah, Salt Lake City, UT, USA
- 2022-23** Postdoctoral Associate, Massachusetts Institute of Technology, Cambridge, MA, USA
Faculty Mentor: Arvind Satyanarayan, Ph.D.; Assistant Professor of Computer Science
Collaborator: Graham M. Jones, Ph.D.; Professor of Anthropology
- 2019-22** Postdoctoral Fellow, Computer Science, Harvard University, Cambridge, MA, USA
Affiliate, Center for Research on Computation and Society
Faculty Mentor: Krzysztof Z. Gajos, Ph.D.; Professor of Computer Science
- 2019-22** Non-Employee Researcher, Massachusetts General Hospital, Boston, MA, USA
Faculty Mentor: Anoopum Gupta, M.D., Ph.D. (Neurologist)
- 2014-19** Graduate Research Assistant, Design Lab, UC San Diego, La Jolla, CA, USA
Advisor: Scott Klemmer, Ph.D.; Professor of Cognitive Science and Computer Science
Collaborators: Rob Knight, Ph.D. (Microbiologist) and the American Gut Project
- 2014** Research Intern, Cipherbase team, Microsoft Research, Redmond, WA, USA
Summer Mentor: Arvind Arasu, Ph.D.
- 2011-13** Member of Technical Staff, Advanced Technology Group, NetApp, Bangalore, India
Systems research in data replication and high-availability - Product changes and patents
- 2010** Summer School for Computing for Socio-Economic Development, Microsoft Research, India
2008,09,11 Research intern, Seoul National University; Chinese University of Hong Kong;
Indian Statistical Institute

Education

- 2019** Ph.D. in Computer Science & Engineering
University of California San Diego, La Jolla, CA
School of Engineering Henry Booker Award for Exemplary Ethical Engineering
Thesis: Citizen-led Work using Social Computing and Procedural Guidance
Committee members: Scott Klemmer, Don Norman, Jim Hollan, Rob Knight, Laurel Riek
- 2011** Bachelor of Engineering (Honors), Computer Science
BITS Pilani, Pilani Campus, India
Thesis: Integer Representations towards Efficient Counting in the Bit Probe Model

Selected Publications

- 1 An Ecosystem of Evidence · Vineet **Pandey**, Arvind Satyanarayan, Graham M. Jones · *ACM In Preparation* 2023
- 2 Accuracy and Reliability of At-home Quantification of Motor Impairments Using a Computer-based Pointing Task with Children with Ataxia-Telangiectasia · Vineet **Pandey**, Nergis C. Khan, Anoopum S Gupta,

Krzysztof Z Gajos · *ACM TACCESS 2023*

- 3 Real-life ankle submovements and computer mouse use reflect patient-reported function in adult ataxias · Nicole M. Eklund, Jessey Ouillon, Vineet **Pandey**, Christopher D Stephen, Jeremy D Schmahmann, Jeremy Edgerton, Krzysztof Z. Gajos, and Anoopum S. Gupta · *Brain Communications 2023*
- 4 Galileo: Citizen-led Experimentation using a Social Computing System · Vineet **Pandey**, Tushar Koul, Chen Yang, Mad Price Ball, Bastian Greshake Tzovaras, Daniel McDonald, Rob Knight, Scott Klemmer · *ACM CHI 2021*
- 5 Docent: Transforming Personal Intuitions to Scientific Hypotheses through Content Learning and Process Training · Vineet **Pandey**, Justine Debelius, Embriette Hyde, Tomasz Kosciolk, Rob Knight, Scott Klemmer · *ACM Learning@Scale 2018*

Selected Invited Talks

- 1 Verbal/Visual Evidence workshop, Language and Technology Lab, MIT. 2023.
- 2 Protocol Labs, Distributed Worldwide. 2022.
- 3 American Society of Microbiology, San Francisco, CA, USA. 2019.
- 4 Showcase for American Academy of Arts and Sciences. San Diego, CA, USA. 2019.
- 5 Innovation Lab Workshop. Harvard Business School, MA, USA. 2018.
- 6 Precision Medicine Initiative, Scripps Research Translational Institute, La Jolla, CA, USA. 2018.

Selected Recognition

- 1 School of Engineering Exemplary Ethical Engineering. UC San Diego. 2019.
- 2 First Prize in Posters at Personal Health Data workshop. San Diego. 2018.
- 3 Honorable Mention in Innovation and Teamwork. NetApp CTO Awards. 2012.
- 4 Admission offered (one of 30 nationwide). Indian Statistical Institute. Kolkata. 2006.
- 5 National Talent Search Scholar (Top 1% of 100,000). 2004.

Advising, Mentoring, Teaching

1 Advising (as Assistant Professor)

PhD First year: Nastaran Jadidi, Adaze “Janet” Johnson, Mutaz Hennawi (2023-)

MS: Darshan Shimpi, Naman Rastogi (2023-)

Committee member: Noelle Brown, Computing education and ethics in AI/ML.

2 Mentoring

Thesis Advisory Committee (Ph.D.), Center for Research and Interdisciplinarity, Université de Paris, 2020-
Auxiliary Supervisor for Undergraduate Thesis, Lodz University of Technology, Poland, 2020.

Ph.D. (N=1) Cognitive Science; *M.S. (N=1)* Computer Science.

B.S. (N=9): Computer Science, Cognitive Science. ERSP (Early Research Scholars Program); DREAM Fellowship Program through Undocumented Student Services; STARS (Summer Training Academy for Research Success) program; all at UC San Diego.

3 Teaching

Instructor

Undergraduate: Human-Computer Interaction Design (N=xx)

Teaching Assistant

Undergraduate: Human-Computer Interaction Design (N=30) and Introduction to Design (N=42)

Graduate: Research in Human-Computer Interaction Design (N=31)

Professional Service, Outreach

1 Program Committee (ACM conferences)

HCI, Design, and Social Computing: CHI 2022, 2021; CSCW 2022, 2021; DIS 2021
Sustainability: COMPASS 2022; (Workshop) LIMITS 2023,22,21
Creativity and Learning: C&C 2021, 2019; Learning at Scale 2019

2 Mentoring and Outreach for Equity

Mentor, EECS Graduate Application Assistance Program (EECS GAAP), MIT, 2022.
Speaker, Summer Summit by Student Initiated Access Programs and Services (SIAPS), UCSD. 2017.
Reviewer, Early Research Scholars Program (ERSP), UC San Diego. 2018.
Reviewer, Gandhi Scholarship Selection Committee. San Diego. 2016.
Participant, Workshop Uniting the Californias (WUC), Tijuana. 2014.

3 Department/University service

PhD Admissions Committee, School of Computing, University of Utah. 2023.
Organizer, Visit day for HCI students, UC San Diego, 2015-18.
President, Association of Indian Graduate Students, UC San Diego, 2015-2016.