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 Summer	Research Intern, Cipherbase team, Microsoft Research, Redmond, WA, USA 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 **2008,09,11**	Summer School for Computing for Socio-Economic Development, Microsoft Research, India 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 Kosciolek, 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, Janet Ikhile, Mutaz Hennawi (2023-)
MS: Darshan Shimpi, Naman Rastogi (2023-)
Committee member: Noelle Brown, Ethics in Computing; Maxim Lisnic, Data-driven misinfo

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   CS 3540 Designing Human-Centered Experiences (N=115)
Graduate   CS XXX Designing Participatory Systems for Science & Medicine (N=xx)

Teaching Assistant - at UC San Diego
Undergraduate   CSE 270 Human-Computer Interaction Design (N=30 of 150)

	DSGN 1	Design of Everyday Things (N=42)
	CSE 151A	Introduction to AI: A Statistical Approach (N=42)
Graduate	CSE 210	Research in Human-Computer Interaction Design (N=31)

Professional Service, Outreach

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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.