# Vineet Pandey
vineetpa@mit.edu

## Employment / Experience

| | |
|---|---|
| **2023-** | Assistant Professor, School of Computing, University of Utah, Salt Lake City, UT, USA |
| **2022-** | Postdoctoral Associate, Massachusetts Institute of Technology, Cambridge, MA, USA<br>Faculty Mentor: Arvind Satyanarayan, PhD; Assistant Professor of Computer Science |
| **2019-22** | Postdoctoral Fellow, Computer Science, Harvard University, Cambridge, MA, USA<br>Affiliate, Center for Research on Computation and Society<br>Faculty Mentor: Krzysztof Z. Gajos, PhD; Professor of Computer Science |
| **2019-22** | Non-Employee Researcher, Massachusetts General Hospital, Boston, MA, USA<br>Faculty Mentor: Anoopum Gupta, MD, PhD; Neurologist |
| **2015-19** | Graduate Research Assistant, UC San Diego, La Jolla, CA, USA<br>Collaborator: Rob Knight, PhD; Microbiologist |
| **2014** | Research Intern, Microsoft Research, Redmond, WA, USA |
| | *Pre-Ph.D. research* |
| **2011-13** | Member of Technical Staff, Advanced Technology Group, NetApp, Bangalore, India |
| **2010** | Summer School for Computing for Socio-Economic Development, Microsoft Research, Bangalore |
| **2008,09,11** | Research intern, Seoul National University; CU Hong Kong; Indian Statistical Institute |

## Education

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

## Selected Publications

1  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*

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 · In Submission 2022

3  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*

4  Free-living motor activity monitoring in ataxia-telangiectasia · Nergis C. Khan, Vineet **Pandey**, Anoopum Gupta, Krzysztof Gajos · *The Cerebellum 2021 (June, Issue#3)*

5  Gut Instinct: Creating Scientific Theories with Online Learners · Vineet **Pandey**, Amnon Amir, Justine Debelius, Embriette Hyde, Tomasz Kosciolek, Rob Knight, Scott Klemmer · *ACM CHI 2017*

### Selected Invited Talks

1  Protocol Labs, Distributed Worldwide. 2022.
2  American Society of Microbiology, San Francisco, CA, USA. 2019.
3  Showcase for American Academy of Arts and Sciences. San Diego, CA, USA. 2019.
4  Innovation Lab Workshop. Harvard Business School, MA, USA. 2018.
5  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.

### Mentoring, Teaching, Professional Service, and Outreach

1  **Mentoring (Postdoc)**
*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.
*Mentor*, EECS Graduate Application Assistance Program (EECS GAAP), MIT, 2022.

2  **Advising (Ph.D.)**
*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 Assistant**
Graduate: Research in Human-Computer Interaction Design (N=31)
Undergraduate: Human-Computer Interaction Design (N=30), Introduction to Design (N=42), Undergraduate Machine Learning (N=70)

4  **Program Committee (ACM conferences)**
HCI, Design, and Social Computing: CHI 2022, 2021; CSCW 2022, 2021; DIS 2021; COMPASS 2022
Creativity and Learning: C&C 2021, 2019; Learning at Scale 2019

5  **Department service**
PhD admissions committee, School of Computing, University of Utah. 2023.
Organizer, Visit day for HCI students, UC San Diego, 2015-18.

6 **Mentoring and Outreach for Equity**
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.