# Purva Tendulkar

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## EDUCATION

**Columbia University**                                                                                          New York, NY, USA
*PhD in Computer Science*                                                                                        *Sep. 2021 – ongoing*
GPA: 4.3/4.0

**Georgia Institute of Technology**                                                                              Atlanta, GA, USA
*Master of Science in Computer Science (Specialization: Machine Learning)*                                       *Aug. 2018 – Aug. 2020*
GPA: 4.0/4.0

**College of Engineering Pune**                                                                                  Pune, MH, India
*Bachelor of Technology in Computer Science*                                                                     *Aug. 2014 – May 2018*
GPA: 9.14/10.0

## RESEARCH INTERESTS

Machine Learning, 3D Computer Vision, Natural Language Processing

## PUBLICATIONS

- **Landscape Learning for Neural Network Inversion**
  Ruoshi Liu, Chengzhi Mao, **Purva Tendulkar**, Hao Wang, Carl Vondrick
  *arXiv 2022*

- **Revealing Occlusions with 4D Neural Fields**
  Basile Van Hoorick, **Purva Tendulkar**, Dídac Surís, Dennis Park, Simon Stent, Carl Vondrick
  *Conference on Computer Vision and Pattern Recognition (CVPR) 2022*, **Oral**

- **SOrT-ing VQA Models: Improving Consistency via Gradient Alignment**
  Sameer Dharur, **Purva Tendulkar**, Dhruv Batra, Devi Parikh, Ramprasaath R. Selvaraju
  *Conference of the North American Chapter of the Association for Computational Linguistics (NAACL), 2021*
  *Interpretable Inductive Biases and Physically Structured Learning (NeurIPS), 2020*

- **Feel The Music: Automatically Generating A Dance For An Input Song**
  **Purva Tendulkar**, Abhishek Das, Aniruddha Kembhavi, Devi Parikh
  *International Conference on Computational Creativity (ICCC) 2020*, **Oral**

- **SQuINTing at VQA Models: Interrogating VQA Models with Sub-Questions**
  Ramprasaath R. Selvaraju, **Purva Tendulkar**, Devi Parikh, Eric Horvitz, Marco Tulio Ribeiro, Besmira Nushi, Ece Kamar
  *Conference on Computer Vision and Pattern Recognition (CVPR) 2020*, **Oral (5.7% acceptance rate)**

- **Trick or TReAT: Thematic Reinforcement for Artistic Typography**
  **Purva Tendulkar**, Kalpesh Krishna, Ramprasaath R. Selvaraju, Devi Parikh
  *International Conference on Computational Creativity (ICCC) 2019*, **Oral**

## WORK EXPERIENCE

**University of California San Diego**                                                                            Aug. 2020 – Mar. 2021
*Research Staff | Supervisor: Xiaolong Wang*                                                                      *San Diego, CA*

**Georgia Institute of Technology**                                                                              Aug. 2019 – Aug. 2020
*Graduate Research Assistant | Supervisor: Devi Parikh*                                                           *Atlanta, GA*

**AiBee**                                                                                                         May 2019 – Aug. 2019
*Research Intern | Supervisors: Chunhui Gu, Juan Carlos Niebles, Silvio Savarese*                                 *Palo Alto, CA*

**Nanyang Technological University**                                                                             May 2017 – Aug. 2017
*Research Assistant | Supervisor: Arvind Easwaran*                                                                *Singapore*

**Indian Institute of Technology, Bombay**                    May 2016 – Jul. 2016

*Software Development Intern | Supervisor: Varsha Apte*                    *Mumbai, India*

## Awards & Achievements

- **Sponsored attendee at the CRA Graduate Cohort for Women**                    *2022*
- **Columbia University Ph.D. Presidential Fellowship**                    *2021-2025*
- **ICCC Best Presentation Award**                    *2019*
- **Pratibha Eaton Excellence Award**                    *2017*

## Teaching & Mentorship

- **Teaching Assistant - Representation Learning COMS 6998**                    *Columbia University - Fall 2021*
- **Women in Science (WISC) Undergraduate Mentor**                    *Columbia University - Fall 2021, Spring 2022*
- **BEARS Undergraduate Mentor**                    *Barnard College - Spring 2022*

## Reviewing

- **International Conference on Computer Vision (ICCV)**                    *2021*
- **European Conference on Computer Vision (ECCV)**                    *2022*