

# Purva Tendulkar

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## EDUCATION

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### Columbia University

*PhD in Computer Science*

*GPA: 4.3/4.0*

New York, NY, USA

*Sep. 2021 – ongoing*

### Georgia Institute of Technology

*Master of Science in Computer Science (Specialization: Machine Learning)*

*GPA: 4.0/4.0*

Atlanta, GA, USA

*Aug. 2018 – Aug. 2020*

### College of Engineering Pune

*Bachelor of Technology in Computer Science*

*GPA: 9.14/10.0*

Pune, MH, India

*Aug. 2014 – May 2018*

## RESEARCH INTERESTS

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Machine Learning, 3D Computer Vision, Natural Language Processing

## PUBLICATIONS

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- **Attention Reveals Occlusions**

Basile Van Hoorick, Purva Tendulkar, Dídac Surís, Dennis Park, Simon Stent, Carl Vondrick

*Conference on Computer Vision and Pattern Recognition (CVPR) 2022*

- **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

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### University of California San Diego

*Research Staff | Supervisor: Xiaolong Wang*

Aug. 2020 – Mar. 2021

*San Diego, CA*

### Georgia Institute of Technology

*Graduate Research Assistant | Supervisor: Devi Parikh*

Aug. 2019 – Aug. 2020

*Atlanta, GA*

### AiBee

*Research Intern | Supervisors: Chunhui Gu, Juan Carlos Niebles, Silvio Savarese*

May 2019 – Aug. 2019

*Palo Alto, CA*

### Nanyang Technological University

*Research Assistant | Supervisor: Arvind Easwaran*

May 2017 – Aug. 2017

*Singapore*

### Indian Institute of Technology, Bombay

*Software Development Intern | Supervisor: Varsha Apte*

May 2016 – Jul. 2016

*Mumbai, India*

## AWARDS & ACHIEVEMENTS

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- **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

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

## REVIEWING

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