

Ankit Goyal

PhD Student, Princeton University

☎ 7347570587

✉ agoyal@princeton.edu

Education

- Present **Ph.D. Program in Computer Science, Princeton University.**
 - Advisor: Jia Deng
- Apr 2018 **M.S.E in Computer Science and Engineering, University of Michigan.**
 - GPA: 3.97/4.0
 - Advisor: Jia Deng
 - Track: Artificial Intelligence
- Apr 2016 **B.Tech. in Electrical Engineering, Indian Institute of Technology (IIT) Kanpur.**
 - CPI: 9.8/10.0
 - Minor: Computer Science

Publications

- **A Goyal**, J Wang, J Deng. Think Visually: Question Answering through Virtual Imagery, *Annual Meeting of the Association of Computational Linguistics (ACL) 2018*
- C Gupta, AS Suggala, **A Goyal**, HV Simhadri, B Paranjape, A Kumar, S Goyal, R Udupa, M Varma, P Jain. ProtoNN: Compressed and Accurate kNN for Resource-scarce Devices, *International Conference in Machine Learning (ICML) 2017*
- **A Goyal**, N Kumar, T Guha, SS Narayanan. A Multimodal Mixture-of-experts Model for Dynamic Emotion Prediction in Movies, *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP) 2016*
- D Kim, **A Goyal**, A Newell, S Lee, J Deng, V Kamat. Semantic Relation Detection Between Construction Entities To Support Safe Human-Robot Collaboration in Construction. *ASCE International Conference on Computing in Civil Engineering (i3CE) 2019*
- NK Verma, **A Goyal**, AH Vardhan, RK Sevakula and A Salour. Object Matching using Speeded Up Robust Features, *Asia Pacific Symposium on Intelligent and Evolutionary Systems (IES) 2015*
- NK Verma, **A Goyal**, A Chaman, RK Sevakula and A Salour. Template Matching for Inventory Management using Fuzzy Histogram and Spatial Filters, *IEEE Conference on Industrial Electronics and Applications (ICIEA) 2015*

Research Experience

- Present **Graduate Student Research Assistant (GSRA), Princeton University.**
 - Advisor: Jia Deng
 - Geometric Reasoning and Planning in 3D Environments
- 2016-18 **Graduate Student Research Assistant (GSRA), University of Michigan.**
 - Advisor: Jia Deng
 - Visual Thinking for Question Answering

- 2016 **Research Intern**, *Microsoft Research (MSR), India*.
◦ Mentor: Prateek Jain
◦ Machine Learning Models for Resource Constrained Devices
- 2015 **Research Intern**, *University of Southern California (USC)*.
◦ Mentor: Shrikanth S. Narayanan
◦ Emotion Prediction in Videos
- 2014 **Student Research Associate**, *IIT Kanpur*.
◦ Mentor: Nishchal Verma
◦ Autonomous Object Matching for Inventory Management

Teaching Experience

- Fall 2018 **Graduate Student Instructor (GSI)**, *Princeton University*.
COS429 Computer Vision
- Fall 2017 **Graduate Student Instructor (GSI)**, *University of Michigan*.
Winter 2018 EECS442 Computer Vision

Service

- 2013-15 **Counselling Service**, *IIT Kanpur*.
◦ Assistant Coordinator: Handling sensitive situations, Organizing orientation for freshmen students
◦ Academic Mentor: Mentoring students struggling academically.
◦ Student Guide: Mentoring freshmen students to acclimatize to the new environment.

Awards and Achievements

- 2016 **Sridhar Memorial Prize**, *IIT Kanpur*.
Awarded to best student in Electrical Engineering.
- 2013, 2014, 2015 **Academic Excellence Award**, *IIT Kanpur*.
Awarded thrice for distinctive academic performance.