

# Olga Russakovsky

Assistant Professor, Princeton University  
Computer Science Department

<http://cs.princeton.edu/~olgarus>  
olgarus@cs.princeton.edu

## Education

- **Ph.D. in computer science**, Stanford University, September 2015  
Advisor: Prof. Fei-Fei Li  
Thesis: Scaling Up Object Detection
- **M.S. in computer science, distinction in research**, Stanford University, June 2007  
Advisor: Prof. Serafim Batzoglou  
Thesis: Algorithms for Training Conditional Log-Linear Models
- **B.S. in mathematics with distinction**, Stanford University, April 2007

## Employment and affiliations

- **Assistant professor**, Computer Science Department, Princeton University 2017 - now
- **Affiliated faculty**, Princeton Dialogues on AI and Ethics: Values, Technologies and Institutions 2019 - now
- **Affiliated faculty**, Princeton Center for Information Technology Policy 2018 - now
- **Affiliated faculty**, Princeton Center for Statistics and Machine Learning 2017 - now
- Postdoctoral research fellow, Robotics Institute, Carnegie Mellon University 2015 - 2017  
Advisors: Profs. Abhinav Gupta and Deva Ramanan
- Research assistant with Prof. Fei-Fei Li, Stanford Vision lab 2010 - 2015
- Research intern in the Media Analytics team, NEC Labs America, Summers 2011 - 2013
- Research assistant with Prof. Andrew Ng, Stanford University 2007 - 2010
- Undergraduate research assistant with Prof. Serafim Batzoglou, Stanford University 2005 - 2007

## Awards

- **AnitaB.org's Emerging Leader Abie Award in Honor of Denice Denton**, 2020  
Awarded for high-quality research and significant positive impact on diversity
- **CRA-WP Anita Borg Early Career Award**, 2020  
Awarded for significant contributions and outreach in CS and/or engineering
- **Becominghuman.ai's 100 Brilliant Women in AI Ethics**, 2019
- **MIT Technology Review's 35 Innovators Under 35 award**, 2017
- **PAMI Everingham Prize**, 2016  
Awarded for a series of datasets and challenges since 2010 that have had such impact on the computer vision field. ImageNet built on the Caltech101/256 datasets, increasing the number of images by orders of magnitude and enabling the development of new algorithms.
- **Outstanding Reviewer awards**, CVPR 2015 and CVPR 2016
- **Foreign Policy's 100 Leading Global Thinkers**, 2015  
Awarded for co-founding and directing the Stanford AI Laboratory's outreach program
- **MIT EECS Rising Star award**, 2013  
Awarded annually to "about 40 outstanding EECS graduate and postdoctoral women"
- **National Science Foundation Graduate research fellowship**, 2007-2010
- **Computing Research Association Undergraduate research award** finalist, 2007

## Selected Media

- **IFLScience.** *Why Artificial Intelligence Is Biased Against Women.* March 6, 2020.
- **Wired.** *AI Is Biased. Here's How Scientists Are Trying to Fix It.* December 19, 2019.
- **New York Times.** *Dealing with Bias in Artificial Intelligence.* November 19, 2019.
- **Education Week.** *A Summer Camp With a Long Plan: Keeping Bias Out of Artificial Intelligence.* August 28, 2019.
- **The Princeton Packet.** *Summer program gives high schoolers hands-on experience with Artificial Intelligence.* August 20, 2018.
- **The Atlantic.** *The Future of AI Depends on High-School Girls.* May 23, 2018.
- **Princeton Alumni Weekly.** *Making Smart Machines Fair.* June 6, 2018.
- **Education Week.** *AI4All Extends The Power of Artificial Intelligence to High School Girls.* March 1, 2018.
- **MIT Technology Review.** *The AI world will listen to these women in 2018.* January 9, 2018.
- **Wired.** *Meet the high schooler shaking up Artificial Intelligence.* October 26, 2017.
- **Australian Broadcasting Corporation.** *Science Friction extra: AI, eyes, girls and guys.* October 7, 2017.
- **Forbes.** *China's Rise In The Global AI Race Emerges As It Takes Over The Final ImageNet Competition.* July 31, 2017.
- **Quartz.** *The data that transformed AI research—and possibly the world.* July 26, 2017
- **Kathy Davis.** *Girl Power in the World of AI.* June 2, 2017.
- **EdTech.** *Stanford University's Artificial Intelligence Summer Camp Expands the World of Computer Science.* Sept 2, 2016.
- **Invited opinion piece at MIT Technology Review.** *AI's Research Rut.* Aug 23, 2016.
- **Motherboard.** *Can AI Help Gender Diversity Help AI?* April 19, 2016.
- **Foreign Policy.** *100 Leading Global Thinkers: For cracking the STEM ceiling.* Dec 1, 2015.
- **Wired.** *This Girls' Summer Camp Could Help Change the World of AI.* Aug 31, 2015.
- **New Scientist.** *Computers are learning to see the world like we do.* Oct. 29, 2014.
- **MIT Technology Review.** *The Revolutionary Technique That Quietly Changed Machine Vision Forever.* Sept 9, 2014.
- **CBC Radio.** *Teaching computers to see.* Sept 5, 2014.
- **New York Times.** *Computer Eyesight Gets a Lot More Accuracy.* Aug 18, 2014.

## Publications

### Pre-prints

1. J. Stroud, R. McCaffrey, R. Mihalcea, J. Deng and O. Russakovsky. Compositional Temporal Visual Grounding of Natural Language Event Descriptions. <https://arxiv.org/abs/1912.02256>.
2. Z. Deng, K. Narasimhan and O. Russakovsky. Evolving Graphical Planner: Contextual Global Planning for Vision-and-Language Navigation. <https://arxiv.org/abs/2007.05655>.

### Peer-reviewed journal articles and monographs

1. S. Yeung, O. Russakovsky, N. Jin, M. Andriluka, G. Mori, L. Fei-Fei. Every moment counts: dense detailed labeling of actions in complex videos. *International Journal of Computer Vision (IJCV)*, May, 2017.
2. A. Kovashka, O. Russakovsky, L. Fei-Fei and K. Grauman. Crowdsourcing in computer vision. *Foundations and Trends in Computer Graphics and Vision*, 10(3), 2016.
3. O. Russakovsky\*, J. Deng\*, H. Su, J. Krause, S. Satheesh, S. Ma, Z. Huang, A. Karpathy, A. Khosla, M. Bernstein, A. Berg and L. Fei-Fei. (\* = equal contribution). ImageNet Large Scale Visual Recognition Challenge. *International Journal of Computer Vision (IJCV)*, 115(3), 2015.  
Featured in **MIT Technology Review**.

### Peer-reviewed conference articles

1. H. Law, Y. Teng, O. [Russakovsky](#) and J. Deng. CornerNet-Lite: Efficient Keypoint Based Object Detection. *British Machine Vision Conference (BMVC)*, 2020.
2. A. Wang, A. Narayanan and O. [Russakovsky](#). A Tool for Measuring and Mitigating Bias in Visual Datasets. *European Conference on Computer Vision (ECCV)*, 2020. **Spotlight presentation.**
3. Z. Wang, B. Feng, K. Narasimhan, O. [Russakovsky](#). Towards Unique and Informative Captioning of Images. *European Conference on Computer Vision (ECCV)*, 2020.
4. Z. Wang, K. Qinami, Y. Karakozis, K. Genova, P. Nair, K. Hata and O. [Russakovsky](#). Towards Fairness in Visual Recognition: Effective Strategies for Bias Mitigation. *Computer Vision and Pattern Recognition (CVPR)*, 2020.
5. F. Yu, Z. Deng, K. Narasimhan and O. [Russakovsky](#). Take the Scenic Route: Improving Generalization in Vision-and-language Navigation. *CVPR Visual Learning with Limited Labels Workshop (CVPRW)*, 2020.
6. K. Yang, K. Qinami, L. Fei-Fei, J. Deng and O. [Russakovsky](#). Towards Fairer Datasets: Filtering and Balancing the Distribution of the People Subtree in the ImageNet Hierarchy. *Conference on Fairness, Accountability and Transparency (FAT\*)*, 2020. Featured in **Wired**.
7. J. Peterson\*, R. Battleday\*, T. Griffiths and O. [Russakovsky](#). (\* = equal contribution). Human Uncertainty Makes Classification More Robust. *International Conference on Computer Vision (ICCV)*, 2019.
8. K. Yang, O. [Russakovsky](#) and J. Deng. SpatialSense: An Adversarially Crowdsourced Benchmark for Spatial Relation Recognition. *International Conference on Computer Vision (ICCV)*, 2019.
9. J. Wang, O. [Russakovsky](#) and D. Ramanan. The more you look, the more you see: towards general object understanding through recursive refinement. *Winter Conference on Applications in Computer Vision (WACV)*, 2018.
10. G. Sigurdsson, O. [Russakovsky](#) and A. Gupta. What Actions are Needed for Understanding Human Actions in Videos? *International Conference on Computer Vision (ICCV)*, 2017.
11. S. Ganju, O. [Russakovsky](#) and A. Gupta. What's in a question: using visual questions as a form of supervision. *Computer Vision and Pattern Recognition (CVPR)*, 2017. **Spotlight presentation.**
12. A. Dave, O. [Russakovsky](#) and D. Ramanan. Predictive-corrective networks for action detection. *Computer Vision and Pattern Recognition (CVPR)*, 2017.
13. S. Yeung, V. Ramanathan, O. [Russakovsky](#), L. Shen, G. Mori and L. Fei-Fei. Learning to learn from noisy web videos. *Computer Vision and Pattern Recognition (CVPR)*, 2017.
14. G. Sigurdsson, O. [Russakovsky](#), I. Laptev, A. Farhadi and A. Gupta. Much ado about time: exhaustive annotation of temporal data. *Conference on Human Computation and Crowdsourcing (HCOMP)*, 2016.
15. A. Bearman, O. [Russakovsky](#), V. Ferrari and L. Fei-Fei. What's the point: semantic segmentation with point supervision. *European Conference on Computer Vision (ECCV)*, 2016.
16. S. Yeung, O. [Russakovsky](#), G. Mori and L. Fei-Fei. End-to-end Learning of Action Detection from Frame Glimpses in Videos. *Computer Vision and Pattern Recognition (CVPR)*, 2016.
17. M. Vachovsky\*, G. Wu\*, S. Chaturapruek, O. [Russakovsky](#), R. Sommer and L. Fei-Fei. (\* = equal contribution). Towards More Gender Diversity in CS through an Artificial Intelligence Summer Program for High School Girls. *ACM Special Interest Group on Computer Science Education (SIGCSE)*, 2016.
18. O. [Russakovsky](#), L.-J. Li and L. Fei-Fei. Best of both worlds: human-machine collaboration for object annotation. *Computer Vision and Pattern Recognition (CVPR)*, 2015.
19. D. Modolo, A. Vezhnevets, O. [Russakovsky](#) and V. Ferrari. Joint calibration of Ensemble of Exemplar SVMs. *Computer Vision and Pattern Recognition (CVPR)*, 2015.
20. J. Deng, O. [Russakovsky](#), J. Krause, M. Bernstein, A. C. Berg and L. Fei-Fei. Scalable multi-label annotation. *ACM Conference on Human Factors in Computing Systems (CHI)*, 2014.
21. O. [Russakovsky](#), J. Deng, Z. Huang, A. C. Berg and L. Fei-Fei. Detecting avocados to zucchinis: what have we done and where are we going? *International Conference on Computer Vision (ICCV)*, 2013.

22. O. [Russakovsky](#), Y. Lin, K. Yu, L. Fei-Fei. Object-centric spatial pooling for image classification. *European Conference on Computer Vision (ECCV)*, 2012. **Best poster award**, Google PhD summit 2013.
23. O. [Russakovsky](#) and L. Fei-Fei. Attribute learning in large-scale datasets. *Parts and Attributes Workshop of European Conference on Computer Vision (ECCVW)*, 2010.
24. E. Klingbeil, B. Carpenter, O. [Russakovsky](#) and A. Y. Ng. Autonomous operation of novel elevators for robot navigation. *International Conference on Robotics Automation (ICRA)*, 2010.
25. O. [Russakovsky](#) and A. Y. Ng. A Steiner tree approach to efficient object detection. *Computer Vision and Pattern Recognition (CVPR)*, 2010
26. S. S. Gross, O. [Russakovsky](#), C. B. Do and S. Batzoglu. Training Conditional Random Fields for maximum labelwise accuracy. *Neural Information Processing Systems (NeurIPS)*, 2007.

#### Book chapter

1. E. Davydov and O. [Russakovsky](#). Introduction to Computer Science. *A Bioinformatics Guide for Molecular Biologists*. CSH Press, 2014.

#### Patent

1. O. [Russakovsky](#), Y. Lin, K. Yu, F. Li. Object-centric spatial pooling for image classification. US 20130129199 A1.

#### Posters and technical report

1. M. Essaidi, O. [Russakovsky](#) and S. M. Weinberg. Fairness in Online Advertisement via Symmetric Auctions. To appear in the poster session at the *Conference on Web and Internet Economics (WINE)*, 2019.
2. S. Gould, O. [Russakovsky](#), I. Goodfellow, P. Baumstarck, A. Y. Ng and D. Koller. The STAIR Vision Library. <http://ai.stanford.edu/~sgould/svl>, 2010.

### Invited talks

1. **ECCV Fair Face Recognition and Analysis Workshop.** *Fairness in visual recognition*. Aug 28, 2020.
2. **MIT Vision Seminar.** *Fairness in visual recognition*. Aug 18, 2020.
3. **Stanford Vision and Learning lab.** *Fairness in visual recognition*. July 6, 2020.
4. **CVPR's Seventh Workshop on Fine-Grained Visual Categorization.** *Revealing and mitigating biases in visual datasets*. June 19, 2020.
5. **CMU VASC seminar.** *Fairness in visual recognition*. April 20, 2020.
6. **TTI Chicago.** *Fairness in visual recognition*. Oct 14, 2019.
7. **CVPR workshop on Bias Estimation in Face Analytics.** *Strategies for mitigating social bias in visual recognition*. June 17, 2019.
8. **ICML workshop on Identifying and Understanding Deep Learning Phenomena.** *Strategies for mitigating social bias in deep learning systems*. June 15, 2019.
9. **University of Pennsylvania GRASP seminar.** *Computer vision meets fairness*. April 19, 2019.
10. **CVPR workshop on Vision with Biased or Scarce Data.** *Fairness in computer vision*. June 22, 2018.
11. **CVPR workshop on DeepVision.** *Fairness in computer vision*. June 18, 2018.
12. **Keynote at O'Reilly AI conference.** *AI will change the world. Who will change AI?* May 2, 2018
13. **O'Reilly AI conference.** *Five reasons why fairness is important and relevant in computer vision*. May 2, 2018.
14. **Cornell Tech.** *The Human Side of Computer Vision*. Feb 23, 2018.
15. **Applied ML days conference at EPFL.** *The Human Side of Computer Vision*. Jan 29, 2018.
16. **Stanford University Math Camp.** *Towards Visual Artificial Intelligence*. July 31, 2017.
17. **CVPR workshop on Visual Understanding by Learning from Web Data.** *Towards Web-scale Video Understanding*. July 26, 2017.

18. **IBM Watson.** *The Human Side of Computer Vision.* Sep 6, 2016.
19. **Stanford University Math Camp.** *A Quest for Visual Intelligence in Computers.* Aug 21, 2016.
20. **University of Edinburgh.** *The Human Side of Computer Vision.* Aug 5, 2016.
21. **University of Oxford.** *The Human Side of Computer Vision.* Aug 4, 2016.
22. **Amazon Lab126.** *The Human Side of Computer Vision.* July 12, 2016.
23. **Princeton University CS colloquium.** *The Human Side of Computer Vision.* April 14, 2016.
24. **University of Michigan.** *The Human Side of Computer Vision.* April 4, 2016.
25. **University of Southern California.** *The Human Side of Computer Vision.* March 23, 2016.
26. **Facebook AI Research.** *The Human Side of Computer Vision.* March 18, 2016.
27. **TTI Chicago.** *The Human Side of Computer Vision.* Feb 24, 2016.
28. **University of Illinois Urbana-Champaign.** *The Human Side of Computer Vision.* Feb 22, 2016.
29. **Michigan State University.** *Scaling Up Object Detection.* Jan 22, 2016.
30. **Cornell University.** *Scaling Up Object Detection.* Dec 11, 2015.
31. **NeurIPS workshop Women in Machine Learning.** *What's the point: semantic segmentation with point supervision.* Dec 7, 2015
32. **University of Texas Austin.** *Scaling Up Object Detection.* Dec 4, 2015.
33. **University of Pittsburgh.** *Scaling Up Object Detection.* Dec 2, 2015.
34. **University of Washington.** *Scaling Up Object Detection.* Nov 23, 2015.
35. **National Robotics Engineering Center.** *Scaling Up Object Detection.* Nov 20, 2015.
36. **University of Southern California.** *Scaling Up Object Detection.* Nov 10, 2015.
37. **Disney Research.** *Scaling Up Object Detection.* Oct 14, 2015.
38. **UC San Diego.** *Scaling Up Object Detection.* Oct 2, 2015.
39. **Caltech.** *Scaling Up Object Detection.* Oct 1, 2015.
40. **GirlCode summer camp.** *A Quest for Visual Intelligence in Computers.* Aug 6, 2015.
41. **Dropbox.** *Scaling Up Object Detection.* July 29, 2015.
42. **Xerox PARC.** *Scaling Up Object Detection.* July 28, 2015.
43. **Simon Fraser University.** *Scaling Up Object Detection.* July 24, 2015.
44. **University of British Columbia.** *Scaling Up Object Detection.* July 23, 2015.
45. **Stanford University Math Camp.** *ImageNet Large Scale Visual Recognition Challenge.* July 21, 2015.
46. **NVIDIA.** *Scaling Up Object Detection.* July 21, 2015.
47. **Google.** *Scaling Up Object Detection.* June 24, 2015.
48. **CVPR workshop ChaLearn Looking at People.** *Best of Both Worlds: Human-Machine Collaboration for Object Annotation.* June 12, 2015.
49. **Carnegie Mellon University VASC seminar.** *Designing and Overcoming Challenges in Large-Scale Object Detection.* Mar 20, 2015.
50. **NVIDIA GPU Technology Conference.** *ImageNet Large Scale Visual Recognition Challenge.* (with Alexander Berg). Mar 19, 2015.
51. **UC Irvine.** *Designing and Overcoming Challenges in Large-Scale Object Detection.* Jan 15, 2015.
52. **Baidu.** *ImageNet Large Scale Visual Recognition Challenge.* Jan 7, 2015.
53. **NeurIPS workshop on Challenges in Machine Learning.** *ImageNet Large Scale Visual Recognition Challenge.* Dec 12, 2014.
54. **Yahoo! Research Labs.** *ImageNet Large Scale Visual Recognition Challenge.* Dec 8, 2014.
55. **UC Berkeley.** *ImageNet Large Scale Visual Recognition Challenge.* Nov 18, 2014.
56. **Photo App Meetup.** *ImageNet Large Scale Visual Recognition Challenge.* Sep 25, 2014.
57. **Apple.** *ImageNet Large Scale Visual Recognition Challenge.* Sep 18, 2014.
58. **Australian National University.** *Analysis of Large Scale Visual Recognition.* Nov 29, 2013.
59. **Bay Area Vision Meeting.** *Analysis of Large Scale Visual Recognition.* (with Fei-Fei Li). Oct 4, 2013.

60. **UC Berkeley.** *Analysis of Large Scale Visual Recognition.* June 5, 2013.
61. **AAAI Symposium on Weakly Supervised Learning from Multimedia.** *Object-Centric Spatial Pooling for Image Classification.* Mar 25, 2013.
62. **ECCV workshop on Parts and Attributes.** *Attribute Learning in Large-Scale Datasets.* Sep 10, 2010.

## Professional activities

### Research community leadership

- **Workshop chair**, Conference on Computer Vision and Pattern Recognition (CVPR) 2023
- **Workshop chair**, International Conference on Computer Vision (ICCV) 2021
- **Organizer**, Compositionality in Computer Vision workshop; at CVPR 2020
- **Doctoral consortium chair**, Conference on Computer Vision and Pattern Recognition (CVPR) 2019
- **Organizer**, ImageNet Large Scale Visual Recognition Challenge, 2013-2017
- **Organizer**, ImageNet Large Scale Visual Recognition Challenge workshops at ICCV 2013, ECCV 2014, ICCV 2015, ECCV 2016, CVPR 2017
- **Publicity and press chair**, CVPR 2016
- **Organizer**, BigVision: International Workshop on Large Scale Visual Recognition and Retrieval; at CVPR 2015, CVPR 2016.
- **Organizer**, ImageNet Large Scale Visual Recognition Challenge tutorial at CVPR 2015
- **Organizer and co-founder**, WiCV: Women in Computer Vision workshop; at CVPR 2015.

### Program committees

- **Area chair**, IEEE/CVF Computer Vision and Pattern Recognition (CVPR) 2018, 2019, 2020, 2021
- **Panelist**, National Science Foundation (NSF) 2017, 2020
- **Area chair**, Conference on Neural Information Processing Systems (NeurIPS) 2019
- **Area chair**, IEEE Winter Conference on Applications of Computer Vision (WACV) 2016
- **Reviewer** for journals: IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), Computer Vision and Image Understanding (CVIU), Pattern Recognition (PR)
- **Reviewer** for conferences: Computer Vision and Pattern Recognition (CVPR), European Conference on Computer Vision (ECCV), International Conference on Computer Vision (ICCV), Neural Information Processing Systems (NeurIPS), International Conference on Machine Learning (ICML), International Conference on Learning Representations (ICLR), Conference on Human Computation and Crowdsourcing (HCOMP), Conference on Computer Graphics and Interactive Techniques (SIGGRAPH). **Outstanding reviewer awards at CVPR 2015 and 2016**

### Other professional activities

- **Participant**, FBI Scientific Working Group on Artificial Intelligence, 2019-now
- **Board member**, Common Visual Data Foundation (CVDF), 2016-now
- **Commentator**, Columbia Law Review Symposium on Common law for the age of AI, 2019.

### University service (except outreach)

- **Member**, Princeton Executive Committee of the Robotics and Intelligent Systems Certificate Program, 2018-now
- **Member**, Princeton School of Engineering and Applied Sciences (SEAS) Metropolis Initiative Steering Committee, 2018-now
- **Member**, Princeton Computer Science Infrastructure Advisory Board, 2018-now
- **Co-founder** of the Princeton Computer Science monthly Research Inclusion Social Event, 2017-now
- **Member**, Princeton School of Engineering and Applied Sciences (SEAS) Innovation Grant Proposal Review Committee, 2018

- **Student member** of the Stanford Computer Science Department Faculty Search committee, 2015
- **Co-founder** of the Stanford Women in AI group with quarterly events, 2014-2015
- **Founder** of the weekly Stanford Computer Vision reading group, 2008-2014

#### Outreach K-12

- **Co-founder and Board Member, AI4ALL foundation**, 2016-now.
  - AI4ALL is a nonprofit working to increase diversity and inclusion in Artificial Intelligence. We create pipelines for underrepresented talent through education and mentorship programs around the U.S. and Canada that give high school students early exposure to AI for social good. Our vision is for AI to be developed by a broad group of thinkers and doers advancing AI for humanity's benefit. More details at <http://ai-4-all.org>.
- **Co-founder and co-director, Princeton AI4ALL outreach summer camp**, 2018-now
  - The camp teaches the fundamentals of AI technology and policy to rising 11th graders from racial/ethnic groups dramatically underrepresented in AI: Black/African American, Hispanic/Latino/Latina, and Native American. The curriculum is developed by experts from the Princeton Computer Science Department, the Princeton Center for Information Technology Policy, and the AI4ALL foundation. More details at <http://ai4all.princeton.edu>.
- **Co-founder and co-director, Stanford AI4ALL outreach summer camp**, 2015-2017
  - The camp, formerly known as "SAILORS," is teaching AI to high school girls in a three-week technically rigorous curriculum. The ultimate goal is to increase diversity in STEM. The camp was featured in Wired, a research study on its impact was published in SIGCSE 2016, and its success inspired the creation of the national AI4ALL foundation. More details at <http://ai4all.stanford.edu>.

## Teaching

- COS 429: Computer Vision (Fall 2017, Fall 2019, Fall 2020)
- COS 529: Advanced Computer Vision (Spr 2019)
- COS 598B: Advanced Topics in CS: Visual Recognition (Spr 2018)
- COS 597B: Advanced Topics in CS: Computer Vision Research Skills (Fall 2018)
- COS IW seminar: Fairness in Visual Recognition (Fall 2020, Spr 2021)
- COS IW seminar: AI Education (Spr 2019)
- Head teaching assistant; CS228: Probabilistic graphical models; Stanford University (Winter 2010)
- Head teaching assistant; CS221: Artificial Intelligence; Stanford University (Fall 2009)
- Instructor; Educational Program for Gifted Youth middle school math course (Summer 2007)

## Advising and mentoring

#### Current Princeton students/postdocs

- **Zhiwei Deng**, Postdoctoral Scholar
- **Sunnie Kim**, PhD student, Computer Science
- **Vikram Ramaswamy**, PhD student, Computer Science
- **Angelina Wang**, PhD student, Computer Science
- **Zeyu Wang**, PhD student, Electrical Engineering
- **Felix Yu**, PhD student, Computer Science
- **Arjun Mani**, Undergraduate student, Computer Science
- **Iroha Shirai**, Undergraduate student, Computer Science
- **Phillip Taylor**, Undergraduate student, Computer Science
- **Henry Wang**, Undergraduate student, Computer Science

- **Nobline Yoo**, Undergraduate student, Computer Science
- **Sharon Zhang**, Undergraduate student, Mathematics
- **Dorothy Zhao**, Undergraduate student, Computer Science

Current mentoring outside of Princeton

- **Ozge Yalcinkaya**, PhD student at the Department of Computer Engineering at Hacettepe University
- **Angelina Hasina Rajoelimbololona**, African Masters in Machine Intelligence (AMMI) Rwanda
- **Noa Souccar**, High school student (AI4ALL alumna)

Lab alumni: undergraduate senior theses

- **Jessica Ho**, *Effects of Dataset Bias on Conditional Generative Adversarial Networks for Urban Scene Understanding*, 2020.
- **Gregory McCord**, *Evaluating Compositionality of Vision and Language Models*, 2020
- **Emmanuel Teferi**, *An Exploratory Analysis of ML Models in CADx Design*, 2020
- **Phillip Yoon**, *Improving Sound Separation and Localization Using Audio-Visual Scene Analysis*, 2020.
- **Andrew Zeng**, *Using Computer Vision to Model Fashion Outfit Compatibility*, 2020.
- **Berthy Feng**, *Moving from Recognition to Reasoning in Image Captioning*, 2019.  
She is a co-author on an ECCV'20 submission; started her CS PhD at Caltech
- **Ioannis Karakozis**, *Fundamental Techniques for Bias Mitigation in Deep Visual Recognition*, 2019.  
He is an author on a CVPR'20 paper and won the Sigma Xi Award for Research
- **Ryan McCaffrey**, *Toward Zero-Shot Action Recognition for Video Moment Localization*, 2019.  
He is a co-author on an ECCV'20 submission
- **Rohan Doshi**, *Zero-Shot Semantic Segmentation*, 2018.  
He won the CRA Undergraduate Research Award honorable mention
- **William Hinthorn**, *Inferring Intent from Pointing with Computer Vision*, 2018.  
He won the Outstanding Computer Science Senior Thesis Prize
- **Prem Nair**, *An Exploration of Multi-class Multi-domain Image Classification*, 2018.  
He is a co-author on a CVPR'20 paper and won the Philip Goldman'86 Senior Prize

Prior mentoring while a PhD student/postdoc

- **Achal Dave**, PhD student advised by Deva Ramanan at CMU 2015-2017  
He is the lead author on a CVPR'17 paper
- **Gunnar Sigurdsson**, PhD student advised by Abhinav Gupta at CMU 2016-2017  
He is the lead author on HCOMP'16 and ICCV'17 papers
- **Jingyan Wang**, PhD student advised by Deva Ramanan at CMU 2015-2017  
She is the lead author on a WACV'18 paper
- **Serena Yeung**, PhD student advised by Fei-Fei Li at Stanford 2015-2017  
She is the lead author on CVPR'16, CVPR'17 and IJCV'17 papers
- **Siddha Ganju**, Master's student at CMU 2016-2017  
She is the lead author on a CVPR'17 paper
- **Sean Ma**, Master's student at Stanford 2013-2014  
He was a co-organizer of the ImageNet Challenge'14
- **Amy Bearman**, Undergraduate student at Stanford 2015-2016  
She is the lead author on an ECCV'16 paper