Vicente Ordóñez-Román (publishes as Vicente Ordonez)

CONTACT INFORMATION	85 Engineer's Way Rice Hall 310, PO Box 400740 Charlottesville, VA 22904	vicente@virginia.edu Phone: (631) 413-7794 http://vicenteordonez.com

RESEARCH INTERESTS

My research lies at the intersection of Computer Vision, Natural Language Processing and Machine Learning. I am especially interested in analyzing, and mining useful human insights from enormous amounts of images with associated text to improve visual recognition. More recently, I am also involved in research on fairness and accountability in machine learning applications.

CURRENT POSITION

Assistant Professor   2016 - present
University of Virginia (UVA), Charlottesville, Virginia.
Department of Computer Science, School of Engineering and Applied Science.
I am leading the Vision, Language and Learning Lab – https://www.vislang.ai.

EDUCATION

The University of North Carolina at Chapel Hill (UNC)   2013 - 2015
Doctor of Philosophy in Computer Science
Thesis: Language and Perceptual Categorization in Computational Visual Recognition
Committee: Tamara L. Berg (advisor), Alexander C. Berg, Jan-Michael Frahm,
Yejin Choi (University of Washington), Alexei A. Efros (UC Berkeley)

Stony Brook University, The State University of New York (SUNY)   2009 - 2013
Master of Science in Computer Science

Escuela Superior Politécnica del Litoral (ESPOL), Ecuador.   2003 - 2008
Computer Engineering Degree (GPA: 9.22/10.0)

HONORS AND AWARDS

Facebook Research Award, 2020.

Google Faculty Research Award, 2017.

IBM Faculty Award, 2017.

Best Long Paper Award, 2017.
- Intl. Conf. on Empirical Methods in Natural Language Processing (EMNLP), 2017.

Research Highlight of the Communications of the ACM, March 2016 Issue.

Allen Institute for Artificial Intelligence Hackathon 2015 – *Peer Favorite Award*.

Best Paper Award – IEEE Marr Prize 2013.
- International Conference on Computer Vision (ICCV), 2013.

Yahoo! Key Scientific Challenges Award, 2012.

Renaissance Technologies Fellowship, 2009 - 2011.

Philantropic Society Medal, Guayaquil, Ecuador, 2007.

Best GPA in the Computer Engineering Program, ESPOL, 2004 - 2007.

OTHER EXPERIENCE

Yarn Labs Inc, Cambridge, Massachusetts   September 2019 - March 2020
Independent Contractor
Research on the current practices, state of the field and future of benchmarks
for face recognition technologies with funding from the MacArthur Foundation.

Adobe Research , College Park, Maryland. Summer 2019
Visiting Professor, Document Intelligence Lab (DIL)
Pursuing projects at the intersection of Computer Vision and NLP for documents.

Allen Institute for Artificial Intelligence (AI2), Seattle, Washington. 2015 - 2016
Visiting Research Fellow, Computer Vision Group (now PRIOR)
I worked at the intersection of Vision and Language in the Computer Vision
group led by Prof. Ali Farhadi at the Allen Institute (AI2).

Microsoft Research, Cambridge, Massachusetts. Summer 2014
Research Intern, Computer Vision Group
Large scale data-driven scene parsing using deep learning features.
I was fortunate to work with Ce Liu and Michael Rubinstein.

eBay Research Labs, San Jose, California. Summer 2013
Research Intern, Computer Vision Group
Worked on attribute predictions on catalog image and text collections in the Mantis Computer Vision group. My mentors were Robinson Piramuthu and Vignesh Jagadeesh.

Google, Mountain View, California. Summer 2011
Software Engineering Intern, Android Multimedia Content Analysis Group
Automatic organization of personal image collections using visual features.
This work later evolved into the Google+ Beautiful Movies made Auto Awesomely.
My mentors were Rodrigo Carceroni and Wei Hua.

Google, Mountain View, California. Spring 2008, Summer 2008
Software Engineering Intern, Google Earth
Developed code for automated quality analysis of satellite images in the imagery database
group for Google Earth and Google Maps. My mentor was Rodrigo Carceroni.

ACADEMIC
EXPERIENCE

The University of North Carolina at Chapel Hill 2013 - 2015
Research Assistant, Computer Science Department
Performed research in visually grounded language and extracting visual meaning
from large scale noisy collections of text and images. I worked with my advisor
Prof. Tamara L. Berg and Prof. Alexander C. Berg.

Stony Brook University (SUNY), Stony Brook, New York. 2010 - 2013
Research Assistant, Vision and Digital Media Lab
Large scale analysis of text and images, large scale image classification,
language generation and eye gaze data analysis. I was part of the research group
of Prof. Tamara L. Berg and also collaborated with Prof. Yejin Choi.

Center for Information Technologies (ESPOL), Guayaquil, Ecuador. 2006 - 2009
Research Assistant, Technology Enhanced Learning Group
Worked on e-learning and document retrieval under Prof. Xavier Ochoa
and also collaborated briefly with Prof. Erik Duval (KU Leuven)

WHITEPAPER   Facial Recognition Technologies in the Wild: A Call for a Federal Office.
Erik Learned-Miller, Vicente Ordóñez, Jamie Morgernstern, Joy Buolamwini.
May 2020. https://www.ajlunited.org/federal-office-call

Facial Recognition Technologies: A Primer.
Joy Buolamwini, Vicente Ordóñez, Jamie Morgernstern, Erik Learned-Miller.
May 2020. https://www.ajlunited.org/federal-office-call

PREPRINTS   Curriculum Labeling: Self-paced Pseudo-Labeling for Semi-Supervised Learning.
Paola Cascante-Bonilla, Fuwen Tan, Yanjun Qi, Vicente Ordonez.
arXiv:2001.06001. January 2020. https://arxiv.org/abs/2001.06001

EyeCar: Modeling the Visual Attention Allocation of Drivers in Semi-Autonomous Vehicles. Sonia Baee, Erfan Pakdamanian, Vicente Ordonez, Inki Kim, Lu Feng, Laura Barnes.
arXiv:1912.07773. December 2019. https://arxiv.org/abs/1912.07773

Moviescope: Large-scale Analysis of Movies using Multiple Modalities.
Paola Cascante-Bonilla, Kalpathy Sitaraman, Mengjia Luo, Vicente Ordonez.
arXiv:1908.03180. August 2019. https://arxiv.org/abs/1908.03180

PUBLICATIONS   Double-Hard Debias: Tailoring Word Embeddings for Gender Bias Mitigation.
Tianlu Wang, Xi Victoria Lin, Nazneen Fatema Rajani, Bryan McCann, Vicente Ordonez, Caiming Xiong. Association for Computational Linguistics. ACL 2020. Seattle, WA.

Generative-discriminative Feature Representations for Open-set Recognition.
Pramuditha Perera, Vlad Morariu, Rajiv Jain, Varun Manjunatha, Curtis Wigington, Vicente Ordonez, and Vishal M. Patel. Conf. on Computer Vision and Pattern Recognition. CVPR 2020. Seattle, WA.

Testing DNN Image Classifiers for Confusion & Bias Errors.
Yuchi Tian, Ziyuan Zhong, Vicente Ordonez, Gail Kaiser, Baishakhi Ray.
International Conference on Software Engineering. ICSE 2020. Seoul, South Korea.

Drill-down: Interactive Retrieval of Complex Scenes using Natural Language Queries .
Fuwen Tan, Paola Cascante-Bonilla, Hui Wu, Xiaoxiao Guo, Song Feng, Vicente Ordonez.
Conf. on Neural Information Processing Systems. NeurIPS 2019. Vancouver, Canada.

Balanced Datasets Are Not Enough: Estimating and Mitigating Gender Bias in Deep Image Representations . Tianlu Wang, Jieyu Zhao, Mark Yatskar, Kai-Wei Chang, Vicente Ordonez.
International Conference on Computer Vision. ICCV 2019. Seoul, South Korea.

Text2Scene: Generating Compositional Scenes from Textual Descriptions.
Fuwen Tan, Song Feng, Vicente Ordonez.
Conf. on Computer Vision and Pattern Recognition. CVPR 2019.
Long Beach, California. (Oral Presentation – Best Paper Finalist – top ∼ 1% of submissions)

Chat-crowd: A Dialog-based Platform for Visual Layout Composition.
Paola Cascante-Bonilla, Xuwang Yin, Vicente Ordonez, Song Feng.
North American Chapter of the Association for Computational Linguistics. NAACL 2019.
System Demonstrations Track. Minneapolis, Minnesota.

Gender Bias in Contextualized Word Embeddings.
Jieyu Zhao, Tianlu Wang, Mark Yatskar, Ryan Cotterell, Vicente Ordonez, Kai-Wei Chang.
North American Chapter of the Association for Computational Linguistics. NAACL 2019.
short. Minneapolis, Minnesota. (Oral Presentation)

Enabling AI at the edge with XNOR Networks.
Mohammad Rastegari, Vicente Ordonez, Joseph Redmon, Ali Farhadi.
Communications of the ACM: Research Highlights. CACM [To Appear].
(Research Highlight, Invited Paper)

Deep Feature Aggregation and Image Re-ranking with Heat Diffusion for Image Retrieval.
Shanmin Pang, Jin Ma, Jianru Xue, Jihua Zhu, Vicente Ordonez.
IEEE Transactions on Multimedia 2019. (Journal Paper)

Feedback-prop: Convolutional Neural Network Inference under Partial Evidence.
Tianlu Wang, Kota Yamaguchi, Vicente Ordonez. Conf. on Computer Vision and Pattern
Recognition. CVPR 2018. Salt Lake City, Utah.

Gender Bias in Coreference Resolution: Evaluation and Debiasing Methods.
Jieyu Zhao, Tianlu Wang, Mark Yatskar, Vicente Ordonez, Kai-Wei Chang.
North American Chapter of the Association for Computational Linguistics. NAACL 2018.
short. New Orleans, Louisiana.

Building Discriminative CNN Image Representations for Object Retrieval using the Replicator Equation. Shanmin Pang, Jihua Zhu, Jiaxing Wang, Vicente Ordonez, Jianru Xue.
Pattern Recognition 2018. Volume 83. Pages 150-160. Accepted April 2018. (Journal Paper)

Where and Who? Automatic Semantic-Aware Person Composition.
Fuwen Tan, Crispin Bernier, Benjamin Cohen, Vicente Ordonez, Connelly Barnes.
Winter Conference on Applications of Computer Vision WACV 2018. Lake Tahoe, NV.

Men Also Like Shopping: Reducing Gender Bias Amplification using Corpus-level Constraints . Jieyu Zhao, Tianlu Wang, Mark Yatskar, Vicente Ordonez, Kai-Wei Chang.
Empirical Methods on Natural Language Processing. EMNLP 2017.
Copenhagen, Denmark. (Oral Presentation) (**Best Paper Award**)

Obj2Text: Generating Visually Descriptive Language from Object Layouts .
Xuwang Yin, Vicente Ordonez.
Empirical Methods on Natural Language Processing. EMNLP 2017.
Copenhagen, Denmark. (Oral Presentation)

Commonly Uncommon: Semantic Sparsity in Situation Recognition.
Mark Yatskar, Vicente Ordonez, Luke Zettlemoyer, Ali Farhadi.
Int. Conf. on Computer Vision and Pattern Recognition. CVPR 2017. Honolulu, Hawaii.

XNOR-Net: ImageNet Classification Using Binary Convolutional Neural Networks.
Mohammad Rastegari, Vicente Ordonez, Joseph Redmon, Ali Farhadi.
European Conference on Computer Vision. ECCV 2016. Amsterdam, Netherlands.
(Oral presentation)

Stating the Obvious: Extracting Visual Common Sense Knowledge.
Mark Yatskar, Vicente Ordonez, Ali Farhadi. North American Chapter of the Association of Computational Linguistics. NAACL 2016. short. San Diego, CA
(Oral presentation)

Learning to Name Objects. Vicente Ordonez, Wei Liu, Jia Deng, Yejin Choi, Alexander C. Berg, Tamara L. Berg. Communications of the ACM. March 2016. Vol 59, No. 3. CACM 2016. (Research Highlight, Invited Paper)

Large Scale Retrieval and Generation of Image Descriptions.
V. Ordonez, X. Han, P. Kuznetsova, G. Kulkarni, M. Mitchell, K. Yamaguchi, K. Stratos, A. Goyal, J. Dodge, A. Mensch, H. Daume III, A.C. Berg, Y. Choi, T.L. Berg. International Journal of Computer Vision. Special Issue on Big Data. IJCV 2016.
(Journal Paper)

Predicting Entry-Level Categories. Vicente Ordonez, Wei Liu, Jia Deng, Yejin Choi, Alexander C. Berg, Tamara L. Berg. International Journal of Computer Vision - Marr Prize Special Issue. IJCV 2015. (Journal Paper)

ReferitGame: Referring to Objects in Photographs of Natural Scenes.
Sahar Kazemzadeh, Vicente Ordonez, Mark Matten, Tamara L. Berg
Empirical Methods on Natural Language Processing. EMNLP 2014. Doha, Qatar.
(Oral presentation)

Learning High-level Judgments of Urban Perception.
Vicente Ordonez, Tamara L. Berg
European Conference on Computer Vision. ECCV 2014. Zurich, Switzerland.

TreeTalk: Composition and Compression of Trees for Image Descriptions.
Polina Kuznetsova, Vicente Ordonez, Tamara L. Berg, Yejin Choi.
Transactions of the Association of Computational Linguistics. TACL 2014
Presented at EMNLP 2014. Doha, Qatar. (Oral Presentation, Journal Paper)

FurnitureGeek: Understanding Fine-Grained Furniture Attributes from Freely Associated Text and Tags. Vicente Ordonez, Vignesh Jagadeesh, Wei Di, Anurag Bhardwaj, Robinson Piramuthu. IEEE Winter Conference on Applications of Computer Vision. WACV 2014. Steamboat Springs, CO

From Large Scale Image Categorization to Entry Level Categories.
Vicente Ordonez, Jia Deng, Yejin Choi, Alexander C. Berg, Tamara L. Berg.
IEEE International Conference on Computer Vision. ICCV 2013. Sidney, Australia.
(Oral presentation) (Best Paper Award - Marr Prize)
(Selected for publication in the Research Highlights of the Communications of the ACM Magazine)

Generalizing Image Captions for Image-Text Parallel Corpus.
Polina Kuznetsova, Vicente Ordonez, Alexander C. Berg, Tamara L. Berg, Yejin Choi.
Association for Computational Linguistics. ACL 2013. short. Sofia, Bulgaria.

Babytalk: Understanding and Generating Image Descriptions.
G. Kulkarni, V. Premraj, V. Ordonez, S. Dhar, S. Li, Y. Choi, A. C. Berg, T. L. Berg.
IEEE Transactions on Pattern Analysis and Machine Intelligence. TPAMI 2013.
(Journal paper)

Collective Generation of Natural Image Descriptions.
Polina Kuznetsova, Vicente Ordonez, Alexander C. Berg, Tamara L. Berg, Yejin Choi.
Association for Computational Linguistics. ACL 2012. Jeju, South Korea.
(Oral presentation)

Im2Text: Describing Images Using 1 Million Captioned Photographs.
Vicente Ordonez, Girish Kulkarni, Tamara L. Berg. Neural Information Processing Systems.
NeurIPS 2011. Granada, Spain. (Spotlight presentation)

High Level Describable Attributes for Predicting Aesthetics and Interestingness.
Sagnik Dhar, Vicente Ordonez, Tamara L. Berg.
IEEE Computer Vision and Pattern Recognition. CVPR 2011. Colorado Springs, CO.

The Ariadne Infrastructure for Managing and Storing Metadata.
S. Ternier, G. Parra, B. Vandeputte, K. Verbert, J. Klerkx, E. Duval, V. Ordonez, X. Ochoa.
Emerging Internet Technologies and Applications for E-learning.
IEEE Internet Computing 2009. (Journal paper)

PATENTS

Techniques for automatic photo album generation. Google – Android.
Vicente Ordonez, Wei Hua, Rodrigo L. Carceroni, Jennifer Gillenwater, Amarnag Subramanya. US Patent No. 8983193. (2015).

Correlating image annotations with foreground features. eBay Inc.
Anurag Bhardwaj, Robinson Piramuthu, Vicente Ordonez, Vignesh Jagadeesh, Wei Di.
US Patent Application No. 20150067471. (2015).

MEDIA COVERAGE / PRESS RELEASES

Investigating the Best Features for Predicting a Movie's Genre and Estimated Budget.
TechXplore. 30/08/2019. https://techxplore.com/news/2019-08-features-movie-genre.html

Researchers Combat Gender and Racial Bias in Artificial Intelligence. Bloomberg. 12/04/2017.
https://www.bloomberg.com/news/articles/2017-12-04/researchers-combat-gender-and-racial-bias-in-artificial-intelligence

Home robots will turn into crude sexists, experts warn. The Times of London. 08/23/2017.
https://www.thetimes.co.uk/article/home-robots-will-turn-into-crude-sexists-experts-warn-gnmj09rgq

Machines Taught by Photos Learn a Sexist View of Women. WIRED. 08/21/2017.
https://www.wired.com/story/machines-taught-by-photos-learn-a-sexist-view-of-women/

Beyond Silicon: Squeezing More Out of Chips. The New York Times. 10/30/2016.
http://www.nytimes.com/2016/10/31/technology/beyond-silicon-squeezing-more-out-of-chips.html

Artificial Intelligence at Your Fingertips. University of Washington CSE News. 10/30/2016.
https://news.cs.washington.edu/2016/10/31/uw-cse-and-ai2-in-the-new-york-times-artificial-intelligence-at-your-fingertips/

A Powerful Legacy and a Bright Future in the Digital Humanities. UVA Today. 10/13/2016.
https://www.news.virginia.edu/content/powerful-legacy-and-bright-future-digital-humanities

Invited Speaker: Fair and Compositional Representations for Vision and Language
ICCV Workshop on Linguistics Meets Image and Video Retrieval.   October 2019
Seoul, South Korea.

Invited Speaker: Building Compositional, Interpretable and Robust Visual Recognition
Georgetown University - Dept. of Computer Science. Washington DC   October 2019

Invited Speaker: Human-guided Visual Recognition with Language and Interaction
SAP Leonardo Machine Learning Research Retreat. Berlin, Germany   October 2019

Invited Speaker: Building Fair and Robust Representations for Vision and Language
Oak Ridge National Laboratory AI Workshop. Oak Ridge, TN.   September 2019

Seminar Speaker: Building Fair Representations for Images and Text
  University of Maryland College-Park, CLIP Seminar Series   August 2019
  Princeton University, Computer Science Dept. Fairness Seminar   April 2019

Invited Speaker: Building the Next Generation of Representations for Vision and Language
Adobe Research, San José, California   March 2019

Invited Speaker: Building the Next Generation of Representations for Vision and Language
Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador   January 2019

Invited Speaker: Challenges in Vision and Language Research   September 2018
Workshop on Shortcomings in Vision and Language (SiVL)
European Conference on Computer Vision (ECCV), Munich, Germany

Invited Speaker: Feedback Propagation in Deep Neural Networks   September 2018
SAP Leonardo Machine Learning Research Retreat. Munich, Germany

Invited Speaker: Overcoming the Next Challenges in Vision and Language Research
  Microsoft Research Montreal. Montréal, Canada   August 2018
  McGill University, Center for Intelligent Machines, Montréal, Canada   August 2018

Mini-Plenary Speaker: Reducing Gender Bias in Machine Learning Systems   May 2018
National Center for Women & IT, NCWIT Summit. Grapevine, TX

Invited Speaker: Understanding the Visual World through Language   April 2018
Applied Machine Learning Conference. Charlottesville, VA
Tom Tom Founders Festival

Keynote Speaker: Integrating Vision and Language through Feedback-based Neural Inference
Conference on Integrating Vision and Language Processing. Tartu, Estonia   March 2018
European Network on Integrating Vision and Language (iV&L Net)

Invited Speaker, Investigación en Reconocimiento Visual Artificial
  Universidad Técnica de Machala (UTM), Machala, Ecuador.   May 2017
  Universidad de Cuenca (UC), Cuenca, Ecuador.   May 2017

Invited Speaker, Language and Perceptual Categorization in Computer Vision.

  Toyota Technological Institute at Chicago TTI-C   April 2015
  Allen Institute for Artificial Intelligence AI2, Seattle, Washington   March 2015
  California Institute of Technology (Caltech), Pasadena, California   March 2015
  Carnegie Mellon University, The Robotics Institute VASC Seminar Series   February 2015
  Disney Research Pittsburgh, The Walt Disney Company.   January 2015
  Stanford University, Department of Computer Science, Vision Group.   December 2014

Seminar Speaker, Integrating Vision and Language.

University of Virginia, Computer Science Dept. Charlottesville, Virginia	March 2015
Virginia Tech, Computer Science Dept., Blacksburg, Virginia	March 2015
Drexel University, Computer Science Dept. Philadelphia, Pennsylvania	February 2015

Invited Presentation, Learning High-level Judgments of Urban Perception.   September 2014
ECCV 2014 Workshop on Storytelling with Images and Videos. Zurich
ECCV 2014 Workshop on Human-Machine Communication for Visual Recognition. Zurich

Invited Speaker, Understanding Image Descriptions in the Wild.   July 2013
Yahoo! Labs, Sunnyvale, California.

Invited Student Speaker, Data-driven Generation of Image Descriptions.   June 2013
NAACL Workshop on Vision and Language (WVL) 2013. Atlanta, GA

RESEARCH GROUP		
	Tianlu Wang, *PhD Student – UVA Presidential Fellow 2019-2020*	Fall 2016 - present
	Ziyan Yang, *PhD Student*	Fall 2017 - present
	Fuwen Tan, *PhD Student*	Fall 2017 - present
	Paola Cascante-Bonilla, *PhD Student*	Fall 2018 - present
	Jeffrey Tan, *Undergrad Student*	Summer 2018 - present
	Lindsey Shavers, *Undergrad Student*	Fall 2018, Fall 2019 - present
	Leticia Pinto-Alva *Visiting Student*	Fall 2019 - present

RESEARCH GROUP ALUMNI		
	Shanmin Pang, *Visiting Scholar – Asst. Prof. at Xi'an Jiaotong University*	Fall 2017 - Fall 2018
	Xuwang Yin, *Research Assistant (next PhD at UVA CpE program)*	Fall 2016 - Summer 2018
	Fengyang Zhang, *MS - Independent Studies (next at Facebook)*	Spring 2018
	Abhimanyu Banerjee, *MS - Independent Studies (next at Cvent Inc)*	Spring 2017 - Spring 2018
	Anudeep Konda, *MS - Thesis (next at VoxelCloud)*	Fall 2017 - Spring 2018
	KS Sivaraman, *MS - Independent Studies (next at Microsoft)*	Spring 2017 - Fall 2017
	Brandon Peck, *Undergrad Student - (next at Microsoft)*	Summer 2019
	MengJia Luo, *Undergrad Student - (next at Microsoft)*	Fall 2018 - Spring 2019
	Arun Kannan, *Undergrad Capstone Project - (next UVA MS in Math)*	Fall 2017 - Spring 2018
	Vijay Edupuganti, *Undergrad Capstone Project (next at OpenDoor Inc)*	Fall 2017 - Spring 2018
	Shijia Wang, *Undergrad Student - (next Georgia Tech MS)*	Summer 2017 - Fall 2017
	Nova Zhang, *Undergrad Student*	Spring 2017
	Divya Bhaskhara, *Undergrad Capstone Project - (next Johns Hopkins MS)*	Fall 2016
	Jonathan Rodriguez, *CRA-DREU Visting Student – Tufts University*	Summer 2018
	Rosangel Garcia, *CRA-DREU Visting Student – Le Moyne College*	Summers 2017, 2018
	Ian K. Torres, *CRA-DREU Visting Student – UMass Amherst*	Summer 2017

TEACHING
EXPERIENCE

Instructor.

Deep Learning for Visual Recognition. University of Virginia.   Spring 2020
Course website: <http://vicenteordonez.com/deeplearning>
Graduate Class: 53 students enrolled

Introduction to Computer Vision. University of Virginia.   Fall 2019
Course website: <http://vicenteordonez.com/vision>
Undergraduate Class: 107 students. BA/BSc Students in CS/CpE/Applied Math/Stats/etc.

Deep Learning for Visual Recognition. University of Virginia.   Spring 2019
Course website: <http://vicenteordonez.com/deeplearning/2019>
Graduate Class: 87 students enrolled. 19 PhD (13 CS/Comp. Eng + 2 EE + 2 SysEng + 2 BioMed), 49 CS MS/MCS/ME, 9 MS Data Science + 1 Civil Eng MS + 11 BA/BSc.

Introduction to Computer Vision. University of Virginia. Spring 2018
  Course website: http://vicenteordonez.com/vision/2018
  Undergraduate Class: 78 students. BA/BSc Students majoring in CS/Comp. Eng./Applied Math/Statistics and others.

Computational Visual Recognition. University of Virginia. Fall 2017
  Course website: http://www.cs.virginia.edu/~vicente/recognition
  Graduate Class: 78 students. 13 PhD (6 CS + 3 CivilEng + 2 ECE + 1 SysEng + 1 Physics), 31 CS MS, 13 ECE MS, 5 SysEng MS, 3 Data Science MS, 1 Mech&Aerospace ME, 1 MS Chem, 1 MS BioMed, 9 BA/BSc.

Vision and Language. University of Virginia Spring 2017
  Course website: http://www.cs.virginia.edu/~vicente/vislang
  Advanced Graduate Class: 32 students. 7 CS PhD, 9 CS MS, 3 SysEng MS, 11 Data Science MS, 2 CS BSc.

Computational Visual Recognition. University of Virginia. Fall 2016
  Course website: http://www.cs.virginia.edu/~vicente/recognition/2016
  Graduate Class: 36 students. 6 PhD (4 CS + 1 BioMed + 1 Stats), 16 CS MS, 4 MEng, 4 Data Science MS, 6 CS BSc.

Guest Lectures.
Big Data and Marketing Analytics. McIntire School of Commerce – UVA November 2019
Introduction to Computer Vision. University of Virginia February 2017
Language and Vision. University of North Carolina at Chapel Hill. February 2015
Computer Vision. University of North Carolina at Chapel Hill. November 2014
Artificial Intelligence. University of North Carolina at Chapel Hill. January 2014
Advanced Multimedia. Stony Brook University. April 2013
Computational Photography. Stony Brook University. March 2013

Teaching Assistant.
Foundations of Computer Science. Stony Brook University. 2009-2010
Object Oriented Programming. Escuela Superior Politécnica del Litoral, Ecuador. 2005
Introduction to Programming. Escuela Superior Politécnica del Litoral, Ecuador. 2004
Physics for Engineering. Escuela Superior Politécnica del Litoral, Ecuador. 2004

OTHER
ACTIVITIES

Organizing Service.
Tutorials Chair / Member of Organizing Committee for the main conference:
  • International Conference on Computer Vision (ICCV) 2021 – Montréal.
Member of Organizing Committee:
  • Video Turing Test (VTT): Toward Human-level Video Story Understanding Workshop. ECCV 2020. Glasgow, Scotland.
Tutorial on Bias and Fairness in Natural Language Processing, at the conference:
  • Empirical Methods in Natural Language Processing (EMNLP) 2019 – Hong Kong.
Member of Organizing Team of Panel on Bias in Machine Learning at the
  • ACM Richard Tapia Celebration of Diversity in Computing 2018.
BigVision Workshop on Large Scale Visual Recognition and Retrieval at the
  • Conference on Computer Vision and Pattern Recognition (CVPR) 2016.
Co-Director with Commonwealth Professor Paul Humphreys (Dept. of Philosophy):
  • University of Virginia's Human and Machine Intelligence Seminar 2017-Present.
University of Virginia's Computer Vision Seminar 2016 - Present (with my PhD students)
Stony Brook University Computer Science Graduate Research Conference 2010

Area Chair / Program Committee / Meta-Reviewer.
Conference on Computer Vision and Pattern Recognition (CVPR) 2020.
European Conference on Computer Vision (ECCV) 2020.
Annual Meeting of the Association for Computational Linguistics (ACL) 2020.
International Conference on Computer Vision (ICCV) 2019.
North American Chapter of the Association for Computational Linguistics (NAACL) 2019.
North American Chapter of the Association for Computational Linguistics (NAACL) 2018.

Workshop Program Committee / Reviewer.
NeurIPS Black in AI Workshop 2018, 2019
NAACL Workshop on New Forms of Generalization in Deep Learning 2018
ICCV Workshop on Closing the Loop Between Vision and Language 2015, 2017
ICCV Workshop on Web-scale Vision and Social Media 2015, 2017
NeurIPS Workshop on Efficient Methods for Deep Neural Networks 2016
ECCV Workshop on Web-scale Vision and Social Media 2016
EMNLP Workshop on Vision and Language 2015
ECCV Workshop on Storytelling with Images and Videos - *VisStory* 2014
ECCV Workshop on Human-Machine Communication for Visual Recognition 2014

Member of Expert Review Panel.
US National Science Foundation, 2018, 2019
FWO - Flanders Research Foundation, Belgium, 2017

Reviewer / Program Committee
International Conference on Machine Learning (ICML) 2020 (as "Expert Reviewer").
Neural Information Processing Systems (NeurIPS) 2016, 2020
Journal of Artificial Intelligence Research (JAIR) 2020.
IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) 2014 - 2020
ACM Richard Tapia Celebration for Diversity in Computing – Panels and Workshops, 2019
Intl. Conference on Computer Vision and Pattern Recognition (CVPR) 2015 - 2019
European Conference on Computer Vision (ECCV) 2016, 2018
Empirical Methods in Natural Language Processing (EMNLP) 2015, 2017, 2018
Association for Computational Linguistics (ACL) 2014, 2016 - 2018
International Conference on Computer Vision (ICCV) 2015, 2017
International Joint Conference in Artificial Intelligence (IJCAI) 2016
International Journal of Computer Vision (IJCV) 2014 - 2016
Asian Conference on Computer Vision (ACCV) 2016
Int'l Conference on Computer Graphics and Interactive Techniques (SIGGRAPH) 2016
North American Chapter of the Association for Computational Linguistics (NAACL) 2016
IEEE Transactions on Multimedia (TM) 2013, 2016.
Elsevier Computer Vision and Image Understanding (CVIU) 2014, 2015
Elsevier Information Processing Letters (IPL) 2014
IEEE Transactions on Neural Networks and Learning Systems (TNNLS) 2014
IEEE Transactions on Image Processing (TIP) 2013.
ACM Multimedia (MM) 2010. International Multimedia Conference.