

# Jinwei Ye

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Department of Computer Science  
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## Research Interests

- Computational Imaging/Photography
- Computer Vision
- Computer Graphics
- Virtual/Augmented Reality
- Machine Learning

## Education

- Ph.D., Computer Science, University of Delaware, Newark, DE August 2009 - February 2014  
Advisor: Dr. Jingyi Yu
- B.Eng., Electronics and Information Engineering, Huazhong University of Science and Technology, China September 2005 - June 2009

## Academic Positions

- *Associate Professor*, George Mason University, Fairfax, VA August 2024 - Now
- *Assistant Professor*, George Mason University, Fairfax, VA January 2022 - August 2024
- *Adjunct Professor*, Louisiana State University, Baton Rouge, LA January 2022 - December 2022
- *Assistant Professor*, Louisiana State University, Baton Rouge, LA August 2017 - December 2021

## Industrial, Consulting, and Other Positions

- *Consultant*, Tencent America, New York, NY June 2023 - December 2023
- *Senior Scientist*, Innovation Center of Canon U.S.A., San Jose, CA August, 2015 - June, 2017
- *Postdoctoral Researcher*, US Army Research Laboratory, Adelphi, MD March, 2014 - July, 2015

## Honors, Awards, and Professional Recognitions

- NSF CAREER Award, 2023
- NSF CRII Award, 2020
- LSU Leveraging Innovation for Technology Transfer (LIFT<sup>2</sup>) Award, 2019
- CVPR Outstanding Reviewer, 2017
- Frank A. Pehrson Graduate Student Achievement Award, University of Delaware, 2014

## Publications

### Referred Journal Papers

- [J1] Yufan Zhang, Yu Ji, Yu Guo, and **Jinwei Ye**. “Snapshot 3D Gaussian Splatting for Miniature Scenes”, submitted to *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, 2026 (under minor revision).
- [J2] Xinyuan Li, Yu Guo, Yubei Tu, Yu Ji, Yanchen Liu, **Jinwei Ye**, and Changxi Zheng. “Textureless Deformable Object Tracking with Invisible Markers”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, vol. 47, pp 7243 - 7254, September, 2025. (IF = 24.314)
- [J3] Yuqi Ding, Yu Ji, Zhang Chen, Mingyuan Zhou, Sing Bing Kang, and **Jinwei Ye**, “Polarimetric Helmholtz Stereopsis”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, vol. 46, pp 4597 - 4611, July 2024. (IF = 24.314)
- [J4] Yuqi Ding, Zhang Chen, Yu Ji, Jingyi Yu, and **Jinwei Ye**, “Light Field-Based Underwater 3D Reconstruction Via Angular Resampling”, *IEEE Transactions on Computational Imaging*, vol. 9, pp 881 - 893, September 2023. (IF = 4.2)
- [J5] Yuqi Ding, Zhong Li, Zhang, Chen, Yu Ji, Jingyi Yu, and **Jinwei Ye**, “Full-Volume 3D Fluid Flow Reconstruction with Light Field PIV”, *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, pp 1 - 14, Early Access, January 2023. (IF = 24.314)
- [J6] Prasanga Neupane, Hsiao-Chun Wu, Guannan Liu, Weidong Xiang, **Jinwei Ye**, and Shih Yu Chang. “Novel Cascade Classifier Using Multiresolution Progressive Learning for Device-Free Indoor Localization”. *IEEE Sensors Letters*, vol 5, issue 11, pp 1 - 4, Oct 2021. (IF = 3.04)
- [J7] Prasanga Neupane, Guannan Liu, Hsiao-Chun Wu, Shih Yu Chang, and **Jinwei Ye**. “Novel Optimal Multisensor Placement for Indoor Rectilinear Line-of-Sight Coverage”. *IEEE Sensors Journal*, vol 21, issue 20, pp 23435 - 23451, Aug 2021. (IF = 4.61)
- [J8] Yingliang Zhang, Wei Yang, **Jinwei Ye**, Yu Ji, Zhong Li, Mingyuan Zhou, and Jingyi Yu. “Structure from Motion on XSlit Cameras”. *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, vol 43, issue 5, pp1691 - 1704, May 2021. (IF = 24.314)
- [J9] Mingyuan Zhou, Yuqi Ding, Yu Ji, S. Susan Young, Jingyi Yu, and **Jinwei Ye**. “Shape and Reflectance Reconstruction Using Concentric Multi-Spectral Light Field”. *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, vol 42, issue 7, pp 1594 - 1605, Jul 2020. (IF = 24.314)
- [J10] **Jinwei Ye**, Yu Ji, Mingyuan Zhou, Sing Bing Kang, and Jingyi Yu. “Content Aware Image Pre-Compensation”. *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, vol 41, issue 7, pp1545 - 1558, Jul 2019. (IF = 24.314)
- [J11] Nianyi Li, **Jinwei Ye**, Yu Ji, Haibin Ling, and Jingyi Yu. “Saliency Detection on Light Fields”. *IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)*, vol 39, issue 8, pp 1605 - 1616, Aug 2017. (IF = 24.314)
- [J12] **Jinwei Ye** and Jingyi Yu. “Ray Geometry in Non-pinhole Cameras: A Survey”. *Visual Computer*, pp 93 - 112, March 2013. (IF = 2.835)

### Referred Conference Proceedings

- [C1] Yufan Zhang, Yu Ji, Yu Guo and **Jinwei Ye**. “Seeing A 3D World in A Grain of Sand”. *IEEE/CVF International Conference on Computer Vision and Pattern Recognition (CVPR)* 2025.
- [C2] Ripon Saha, Yufan Zhang, **Jinwei Ye** and Suren Jayasuriya. “Real-Time 3D Simulation of Heat-Induced Air Turbulence”. *Pacific Graphics (PG)* 2025.

- [C3] Dehao Qin, Ripon Saha, Woojeh Chung, Suren Jayasuriya, **Jinwei Ye** and Nianyi Li. “Unsupervised Moving Object Segmentation with Atmospheric Turbulence”. *European Conference on Computer Vision (ECCV)* 2024.
- [C4] Xinyuan Li, Yu Guo, Yubei Tu, Yu Ji, Yanchen Liu, **Jinwei Ye**, and Changxi Zheng. “Textureless Deformable Object Tracking with Invisible Markers”. *IEEE International Conference on Computational Photography (ICCP)* 2024.
- [C5] Ripon Kumar Saha, Dehao Qin, Nianyi Li, **Jinwei Ye** and Suren Jayasuriya. “Turb-Seg-Res: A Segment-then-Restore Pipeline for Dynamic Videos with Atmospheric Turbulence”. *IEEE/CVF International Conference on Computer Vision and Pattern Recognition (CVPR)* 2024.
- [C6] Yuqi Ding, Yu Ji, and **Jinwei Ye**. “Polar-Photometric Stereo Under Natural Illumination”. *International Conference on 3D Vision (3DV)* 2022. **Spotlight Presentation**
- [C7] Yuqi Ding, Yu Ji, Mingyuan Zhou, Sing Bing Kang, and **Jinwei Ye**. “Polarimetric Helmholtz Stereopsis”. *International Conference on Computer Vision (ICCV)* 2021. **Oral Presentation** (Acceptance Rate: 3.4%)
- [C8] Simron Thapa, Nianyi Li, and **Jinwei Ye**. “Learning to Remove Refractive Distortions from Underwater Images”. *International Conference on Computer Vision (ICCV)* 2021. (Acceptance Rate: 26%)
- [C9] Nianyi Li, Simron Thapa, Cameron Whyte, Albert Reed, Suren Jayasuriya, and **Jinwei Ye**. “Dynamic Fluid Surface Reconstruction Using Deep Neural Network”. *International Conference on Computer Vision (ICCV)* 2021. (Acceptance Rate: 26%)
- [C10] Yuqi Ding, **Jinwei Ye**, Corina Barbalata, James Oubre, Chandler Lemoine, Jacob Agostinho, and Genevieve Palardy. “Next-Generation Perception System for Automated Defects Detection in Composite Laminates via Polarized Computational Imaging”. *The Composites and Advanced Materials Expo (CAMX)* 2021.
- [C11] Guannan Liu, Prasanga Neupane, Hsiao-Chun Wu, Weidong Xiang, **Jinwei Ye**, Limeng Pu, Shih Yu Chang, Yiyang Wu, and Kun Yan. “Novel Indoor Device-Free Human Tracking Using Learning Systems with Hidden Markov Models”. *IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)* 2021.
- [C12] Yuqi Ding, Mingyuan Zhou, Yu Ji, S. Susan Young, Jingyi Yu, and **Jinwei Ye**. “Multi-Spectral Reflectance And Shape Reconstruction Using A Concentric Light Field”. *OSA Imaging and Applied Optics Congress, Imaging Systems and Applications*, 2021.
- [C13] Yuqi Ding, Zhong Li, Yu Ji, Jingyi Yu, and **Jinwei Ye**. “3D Fluid Flow Reconstruction Using A Compact Light Field Camera”. *OSA Imaging and Applied Optics Congress, Computational Optical Sensing and Imaging*, 2021.
- [C14] Nianyi Li, **Jinwei Ye**, Qifan Zhang, and S. Susan Young. “Blur-Free Low-Light Imaging with Color and Event Cameras”. *SPIE Defense + Commercial Sensing: Computational Imaging VI* 2021.
- [C15] Simron Thapa, Nianyi Li, and **Jinwei Ye**. “Dynamic Fluid Surface Reconstruction Using Deep Neural Network”. *IEEE/CVF International Conference on Computer Vision and Pattern Recognition (CVPR)* 2020. **Oral Presentation** (Acceptance Rate: 5.7%)
- [C16] Zhong Li, Yu Ji, Jingyi Yu, and **Jinwei Ye**. “3D Fluid Flow Reconstruction Using Compact Light Field PIV”. *the European Conference on Computer Vision (ECCV)* 2020. (Acceptance Rate: 26%)
- [C17] Yuqi Ding, Jiaming Liu, **Jinwei Ye**, Weidong Xiang, Hsiao-Chun Wu, and Costas Busch. “3D LiDAR and Color Camera Data Fusion”. *IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)* 2020.
- [C18] Rui Tian, Hsiao-Chun Wu, **Jinwei Ye**, Yiyang Wu. “Novel Moving-Target Detection Using A Hybrid of RGB Images and LiDAR Point-Clouds”. *IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)* 2020.

- [C19] Guannan Liu, Hsiao-Chun Wu, Weidong Xiang, **Jinwei Ye**, Yiyang Wu, and Limeng Pu. “Indoor Object Localization and Tracking Using Deep Learning over Received Signal Strength”. *IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)* 2020.
- [C20] Yuqi Ding, Nianyi Li, S. Susan Young, and **Jinwei Ye**. “3D Face Recognition Using Pose-varying RGB-D Images”. *International Symposium of Visual Computing (ISVC)* 2019. **Oral Presentation**
- [C21] Jie Lu, Yu Ji, Jingyi Yu, and **Jinwei Ye**. “Mirror Surface Reconstruction Using Polarization Field”. *IEEE International Conference on Computational Photography (ICCP)* 2019. **Oral Presentation**
- [C22] Shi Jin, Ruiyang Liu, Yu Ji, **Jinwei Ye**, and Jingyi Yu. “Learning to Dodge A Bullet: Concyclic View Morphing via Deep Learning”. *European Conference on Computer Vision (ECCV)* 2018. (Acceptance Rate: 31.8%)
- [C23] Zhong Li, Yu Ji, Wei Yang, **Jinwei Ye**, and Jingyi Yu. “Robust 3D Human Motion Reconstruction Via Dynamic Template Construction”. *International Conference on 3D Vision (3DV)* 2017.
- [C24] Evan Levine, Can Chen, Manuel Martinello, Mahdi Nezamabadi, Siu-Kei Tin, **Jinwei Ye**, and Francisco Imai. “Challenges and Solutions in 3D Object Capture”. *OSA Imaging and Applied Optics Congress, 3D Image Acquisition and Display: Technology, Perception and Applications*, 2017.
- [C25] Siu-Kei Tin, **Jinwei Ye**, Mahdi Nezamabadi, and Can Chen. “3D Reconstruction of Mirror-type Objects using Efficient Ray Coding”. *IEEE International Conference on Computational Photography (ICCP)* 2016. **Oral Presentation**
- [C26] **Jinwei Ye** and Francisco Imai. “High Resolution Multi-spectral Image Reconstruction on Light Field via Sparse Representation”. *OSA Imaging and Applied Optics Congress, Imaging Systems and Applications*, 2015.
- [C27] Yu Ji, **Jinwei Ye**, and Jingyi Yu. “Depth Reconstruction from the Defocus Effect of an XSlit Camera”. *OSA Imaging and Applied Optics Congress, Computational Optical Sensing and Imaging*, 2015.
- [C28] **Jinwei Ye**, Yu Ji, Wei Yang, and Jingyi Yu. “Depth-of-Field and Coded Aperture Imaging on XSlit Lens”. *European Conference on Computer Vision (ECCV)* 2014. **Oral Presentation** (Acceptance Rate: 2.6%)
- [C29] Wei Yang, Yu Ji, **Jinwei Ye**, S. Susan Young, and Jingyi Yu. “Coplanar Common Points in Non-Centric Cameras”. *European Conference on Computer Vision (ECCV)* 2014. (Acceptance Rate: 29%)
- [C30] Yu Ji, **Jinwei Ye**, Sing Bing Kang, and Jingyi Yu. “Image Pre-compensation: Balancing Contrast and Ringing”. *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)* 2014. (Acceptance Rate: 29.88%)
- [C31] Nianyi Li, **Jinwei Ye**, Yu Ji, Haibin Ling, and Jingyi Yu. “Saliency Detection on Light Fields”. *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)* 2014. (Acceptance Rate: 29.88%)
- [C32] **Jinwei Ye**, Yu Ji, and Jingyi Yu. “A Rotational Stereo Model Based on XSlit Imaging”. *the IEEE International Conference on Computer Vision (ICCV)* 2013. **Oral Presentation** (Acceptance Rate: 2.52%)
- [C33] **Jinwei Ye**, Yu Ji, and Jingyi Yu. “Manhattan Scene Understanding Via XSlit Imaging”. In Proceedings of *the IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)* 2013. (Acceptance Rate: 25.2%)
- [C34] Yu Ji, **Jinwei Ye**, and Jingyi Yu. “Reconstructing Gas Flows Using Light Paths Approximation”. In Proceedings of *the IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)* 2013. **Oral Presentation** (Acceptance Rate: 3.2%)
- [C35] **Jinwei Ye**, Yu Ji, Feng Li, and Jingyi Yu. “Angular Domain Reconstruction of Dynamic 3D Fluid Surfaces”. In Proceedings of *the IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)* 2012. (Acceptance Rate: 24%)

## US Patents

- [P1] “System and Method for Reconstructing 3-D Shapes of Objects from Reflection Image”, **Jinwei Ye** and Jie Lu, Publication Number: 20200366881. (Notification of Allowance issued in February, 2023)
- [P2] “XSlit Camera”, Jingyi Yu, **Jinwei Ye** and Yu Ji, Patent Number: 10546395, Date of Patent: January 28, 2020.
- [P3] “Measuring Shape of Specular Objects by Local Projection of Coded Patterns”, Siu-Kei Tin and **Jinwei Ye**, Patent Number: 10168146, Date of Patent: January 1, 2019.
- [P4] “System and Method for Face Recognition with Three-Dimensional Sensing Modality”, S. Susan Young and **Jinwei Ye**, Patent Number: 9959455, Date of Patent: May 1, 2018.
- [P5] “Depth Value Measurement”, Siu-Kei Tin and **Jinwei Ye**, Patent Number: 9958259, Date of Patent: May 1, 2018.
- [P6] “Devices, Systems, and Methods for Measuring and Reconstructing the Shape of Specular Objects by Multiview Capture”, **Jinwei Ye**, Siu-Kei Tin, Mahdi Nezamabadi and Can Chen, Publication Number: 20170178390, Filed on 2016.
- [P7] “Devices, Systems and Methods for Single-Shot High-Resolution Multispectral Image Acquisition”, **Jinwei Ye**, Publication Number: 20160241797, Filed on December 8, 2015.
- [P8] “Measuring Surface Geometry using Illumination Direction Coding”, Siu-Kei Tin and **Jinwei Ye**, Publication Number: 20170131091, Filed on November 10, 2015.

## Grants

- Total amount: \$2,517,760
- Personal share: \$1,919,817

- [G1] *AI-based Lighting Tools for Content Creation*  
 Source of Support: GMU Office of Research, Innovation, and Economic Impact (ORIEI)  
 Award Amount: \$25,000  
 Project Period: 03/2026 - 03/2026  
 PI: Jinwei Ye
- [G2] *Multi-Modal Perception for Autonomous Mobility and Maneuverability in Degraded Environments*  
 Source of Support: US Department of the Army  
 Award Amount: \$249,026 (personal share: \$124,513)  
 Project Period: 04/2024 - 04/2025  
 PI: Xuesu Xiao  
 Co-PI: Jinwei Ye
- [G3] *CAREER: Towards Polarimetric Visual Understanding*  
 Source of Support: National Science Foundation  
 Award Amount: \$600,000  
 Project Period: 07/2023 - 06/2028  
 PI: Jinwei Ye
- [G4] *Collaborative Research: RI: Small: Motion Field Understanding for Enhanced Long-Range Imaging*  
 Source of Support: National Science Foundation  
 Award Amount: \$149,572  
 Project Period: 01/2023 - 12/2025

PI: Jinwei Ye

Other PIs: Nianyi Li (Clemson University), Suren Jayasuriya (Arizona State University)

[G5] *RI: Small: Computational Imaging for Underwater Exploration*

Source of Support: National Science Foundation

Award Amount: \$499,495

Project Period: 01/2022 - 09/2025

PI: Jinwei Ye

Co-PI: Corina Barbalata (Louisiana State University)

[G6] *CRII: RI: General Surface Reconstruction via Polarized Computational Imaging*

Source of Support: National Science Foundation

Award Amount: \$191,000

Project Period: 01/2022 - 03/2024

PI: Jinwei Ye

[G7] *NRI: FND: Collaborative Mobile Manufacturing in Uncertain Scenarios* (sub-award to GMU)

Source of Support: National Science Foundation

Sub-award Amount: \$746,943 (personal share: \$149,000)

Project Period: 10/2020 - 09/2024

PI: Corina Barbalata

Co-PIs: Marcio de Queiroz, Hunter Gilbert, Jinwei Ye, Genevieve Palardy

[G8] *I-Corps: Universal 3D Scanning Through Polarization Field*

Source of Support: National Science Foundation

Award Amount: \$50,000

Project Period: 01/2021 - 06/2022

PI: Jinwei Ye

[G9] *Towards Realistic Immersive 3D Modeling and Rendering*

Source of Support: DGene Digital Media Inc.

Award Amount: \$45,000

Project Period: 06/2020 - 06/2021

PI: Jinwei Ye

[G10] *Development of Universal 3D Scanner Using Polarization Field*

Source of Support: LSU Board of Supervisors

Award Amount: \$49,500

Project Period: 10/2019 - 10/2021

PI: Jinwei Ye

[G11] *Computational Imaging Approach for 3D Volumetric Fluid Reconstruction*

Source of Support: Louisiana Board of Regents

Award Amount: \$161,250

Project Period: 06/2018 - 06/2021

PI: Jinwei Ye

## Talks and Presentations

- “Revisit Mirrors for 3D Imaging”, International Conference on Computational Photography (ICCP), July 2025. (Invited talk)

- “Textureless Deformable Object Tracking with Invisible Markers”, International Conference on Computational Photography (ICCP), July 2024.
- “Seeing 3D with Polarized Light”, Kyoto University, June 2024. (*Invited talk, Host: Prof. Ko Nishino*)
- “Seeing 3D with Polarized Light”, Osaka University, June 2024. (*Invited talk, Host: Prof. Nagahara Hajime*)
- “Invisible Fluorescent Markers for Deformable Tracking”, CCD Workshop at CVPR, June 2024. (*Invited talk*)
- “Seeing 3D with Polarized Light”, The City College of New York, April 2024. (*Invited talk*)
- “Seeing 3D with Polarized Light”, 3M Tech Forum, March 2023. (*Invited talk*)
- “Seeing 3D with Polarized Light”, GRASP Lab SFI Seminar, University of Pennsylvania, February 2023. (*Invited talk, Host: Prof. Kostas Daniilidis*)
- “Polar-Photometric Stereo Under Natural Illumination”, International Conference on 3D Vision (3DV), September 2022.
- “Seeing the Unseen: Invisible Object 3D Reconstruction with Computational Imaging Approaches”, Computer Vision Seminar, Rice University, May 2022. (*Invited talk, Host: Prof. Ashok Veeraraghavan*)
- “Seeing the Unseen: Invisible Object 3D Reconstruction with Computational Imaging Approaches”, OSA Congress on Imaging and Applied Optics, July 2021. (*Invited talk*)
- “Polarimetric Helmholtz Stereopsis”, International Conference on Computer Vision (ICCV), March 2021.
- “Mirror Surface Reconstruction Using Polarization Field”, International Conference on Computational Photography (ICCP), May 2019.
- “3D Reconstruction of Mirror-type Objects using Efficient Ray Coding”, International Conference on Computational Photography (ICCP), May 2016.
- “High Resolution Multi-spectral Image Reconstruction on Light Field via Sparse Representation”, OSA Congress on Imaging and Applied Optics, June 2015.

## Teaching and Mentoring

### Courses

#### Courses Taught at George Mason University

- CS 653: Computational Photography Spring 2026
- CS 453: Computational Photography Fall 2025
- CS 451: Computer Graphics Spring 2024, 2025
- CS 499/595: Special Topics in CS: Computational Photography Fall 2023, 2024
- CS 682: Computer Vision Summer 2023
- CS 325: Introduction to Game Design Fall 2022
- CS 583: Analysis of Algorithms Spring 2022

#### Courses Taught at Louisiana State University

- CSC 4356: Interactive Computer Graphics Fall 2017, 2018, 2019, 2020, 2021
- CSC 4263: Video Game Design Spring 2018, 2019, 2020, 2021
- CSC 2463: Digital Media Programming Spring 2021
- CSC 7700: Special Topics on 3D Computer Vision Spring 2019

### Conference Courses, Tutorials, and Workshops

- UG2+ Workshop and Challenge: Bridging the Gap between Computational Photography and Visual Perception, CVPR 2026  
Organizers: Alex Wong (lead), Dong Lao, Achuta Kadambi, Jinwei Ye
- Tutorial on Polarization-based Computer Vision, CVPR 2023  
Organizers: Jinwei Ye (lead), Seung-Hwan Baek, George Chen, Achuta Kadambi
- Polarization-based Visual Computing, SIGGRAPH 2023 Long Course  
Organizers: Seung-Hwan Baek (lead), Jinwei Ye, George Chen, Achuta Kadambi, Akshat Dave, Ramesh Raskar
- Emerging Trends in Sensing and Perception for Underwater Robotics, Tutorial Session at Combined SDF and MFI Conference 2023 (Bonn, Germany)  
Organizers: Corina Barbalata (lead), Jinwei Ye, Katie Skinner

### Mentoring

#### Postdoctoral Researcher

- Yu Guo, Ph.D., University of California, Irvine March 2024 - June 2025
- Zhang Chen, Ph.D., ShanghaiTech University January 2022 - June 2022  
Current Position: Research Engineer at Innopeak Technology
- Nianyi Li, Ph.D., University of Delaware August 2019 - July 2021  
Current Position: Assistant Professor at Clemson University

#### Current PhD Students

- Yufan Zhang, Ph.D. student, George Mason University January 2024 - Now
- Su Li, Ph.D. student, George Mason University August 2025 - Now

#### Graduated PhD Students

- Yuqi Ding, Ph.D., Louisiana State University Fall 2018 - Fall 2022  
Dissertation: *Computational Imaging for Shape Understanding*  
Current Position: Senior Engineer at Qualcomm  
Award: CVPR Doctoral Consortium Travel Award 2022
- Simron Thapa, Ph.D., Louisiana State University Fall 2018 - Fall 2021  
Dissertation: *Learning to Interpret Fluid Type Phenomena via Images*  
Current Position: Senior Scientist at 3M  
Awards: LSU College of Engineering Outstanding Dissertation Award 2022, ACM-W Scholarship 2021, 3M RISE Scholar 2020, GHC Scholar 2020

#### Graduated Master Students

- Jiyoung Lee, Louisiana State University Fall 2021 - Fall 2022  
Master Thesis: *Analysis of Theft Hotspots in Environmental Criminology Theory Using Machine Learning and Google Street Image*
- Blessing Ajibero, Louisiana State University Fall 2020 - Summer 2021  
Master Thesis: *A Comparative Study on Deblurring Methods for Air Turbulence Images*

- Sirazum Tisha, Louisiana State University Fall 2017 - Fall 2019  
Master Thesis: *Thermal-Kinect Fusion Scanning System for Body Shape Inpainting and Estimation under Clothing*  
Award: GHC Scholar 2019

### Undergraduate Students

- Ayo Ajiboye, George Mason University Fall 2025
- Jordan Philips, George Mason University Fall 2025
- Andres Toro, George Mason University Fall 2025
- George Villaume, NSF REU student, Louisiana State University Fall 2020 - Spring 2021  
Honor College Thesis: *Integration and Analysis of Gaze Behavior in Augmented Reality*  
Award: S. S. Iyengar Family Scholarship Recipient in Fall 2020
- Martin Ivanchev, NSF REU student, Louisiana State University Fall 2020 - Spring 2021  
Award: LSU Cain Scholar 2020
- Blake Bollinger, NSF REU student, Louisiana State University Fall 2020

### Visiting Students

- Zhang Chen, ShanghaiTech University Summer 2018 - Fall 2018
- Mingyuan Zhou, University of Delaware Summer 2018 - Fall 2018
- Zhong Li, University of Delaware Summer 2018 - Fall 2018
- Shi Jin, ShanghaiTech University Fall 2017 - Spring 2018
- Ruiyang Liu, ShanghaiTech University Fall 2017 - Spring 2018
- Jie Lu, ShanghaiTech University Fall 2017 - Spring 2018

## Service and Professional Activities

### University Service

- Graduate Study Committee, George Mason University 2026
- Ph.D. Admission Committee, George Mason University 2023, 2024, 2025, 2026
- Tenure-Track Recruitment Committee, George Mason University 2022, 2025, 2026
- Faculty Search Committee, Louisiana State University Fall 2020 - Spring 2021
- Master Admission Committee, Louisiana State University Fall 2020 - Spring 2021
- Undergraduate Initiative Committee, Louisiana State University Fall 2018 - Spring 2021
- Ph.D. Admission Committee, Louisiana State University Fall 2017 - Spring 2019

### Professional Activities

#### Grant Reviewer

- National Science Foundation (NSF) panel 2020, 2022, 2023, 2024, 2025
- Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant reviewer 2022, 2023

### **Associate Editor**

- Machine Vision and Applications (MVA) special issue on ISVC 2025

### **Conference Organizing Committee**

- Computer Vision Co-Chair of ISVC 2025
- Finance Chair of ICCP 2024
- Demo Chair of ICCV 2023
- Local Arrangement Chair of CVPR 2022
- Poster Chair of ACM Spatial User Interaction 2019

### **Senior Program Committee**

- Lead Area Chair of European Conference on Computer Vision (ECCV) 2026
- Area Chair of International Conference on Computer Vision and Pattern Recognition (CVPR) 2021, 2022, 2026
- Area Chair of International Conference on Computer Vision (ICCV) 2023, 2025
- Area Chair of Winter Conference on Applications of Computer Vision (WACV) 2024, 2025, 2026
- Senior Program Committee of International Joint Conference on Artificial Intelligence (IJCAI) 2023, 2024
- Senior Program Committee of AAAI Conference on Artificial Intelligence (AAAI) 2023, 2024
- Area Chair of British Machine Vision Conference (BMVC) 2022, 2023
- Area Chair of International Conference on 3D Vision (3DV) 2022
- Area Chair of International Conference on Pattern Recognition (ICPR) 2021

### **Conference Reviewer**

- SIGGRAPH 2026
- SIGGRAPH Asia 2021, 2022, 2023, 2025
- International Conference on Computer Vision and Pattern Recognition (CVPR) 2016 - Now
- European Conference on Computer Vision (ECCV) 2016 - Now
- International Conference on Computer Vision (ICCV) 2017 - Now
- AAAI Conference on Artificial Intelligence 2019 - 2024
- Conference on Neural Information Processing Systems (NeurIPS) 2020 - 2024
- British Machine Vision Conference (BMVC) 2019 - 2023
- Pacific Graphics (PG) 2014, 2015, 2016, 2017

### **Journal Reviewer**

- ACM Transactions of Graphics
- IEEE Transactions on Pattern Analysis and Machine Intelligence
- IEEE Transactions on Computational Imaging
- IEEE Transactions on Image Processing
- IEEE Journal of Selected Topics in Signal Processing

- IEEE Transactions on Circuits and Systems for Video Technology
- IEEE Transactions on Geoscience and Remote Sensing
- IEEE Transactions on Instrumentation & Measurement
- Springer Journal of Machine Vision and Applications
- Springer Journal of Visual Computer
- Elsevier Journal of Computer Vision and Image Understanding
- Elsevier Journal Pattern Recognition
- Nature Scientific Reports
- Nature Machine Intelligence