# Md Mostafijur Rahman

Assistant Professor
Department of Electrical and Computer Engineering
Texas Tech University
ML and Systems Rising Star (2026)
U.S. Permanent Resident (EB-2)

mostafij-rahman.github.io
mostafij-rahman
e0SzHPMAAAAJ
mostafij-rahman
mostafijur.rahman@utexas.edu

## Research Interests

My research interests are at the intersection of **AI**, **Healthcare**, **Medicine**, and **Computer Vision**. I design and build AI systems that make medical imaging and computer vision *more* efficient, *more* trustworthy, and *more* accessible in low-resource settings, through efficient architectures, foundation models, and generative, multi-modal learning methods.

## Education

**Ph.D. in Electrical and Computer Engineering** — Aug 2026
The University of Texas at Austin (UT Austin)

**Master of Science in Software Engineering** — Jul 2016
University of Dhaka (DU)

**Bachelor of Science in Software Engineering** — Dec 2014
University of Dhaka (DU)

## Publications

***25+** peer-reviewed papers, **4** patents pending, **>3,000** citations, h-index **19**.*
***3×CVPR**, **1×NeurIPS**, **1×MICCAI**, **2×MIDL**, **4×WACV**, **2×CVPRW**, **1×ICCVW**, **1×ICASSP**, **1×LOG**, **1×JBSPC**;*
*Under Review: **1×AAAI**, **1×TMI**, **1×Cell Reports Methods**, **1×SPIE Medical Imaging***

### *Conference Publications (Selected)*

1. Mustafa Munir, **Md Mostafijur Rahman**, and Radu Marculescu. AdaptViG: Adaptive Vision GNN with Exponential Decay Gating. In *IEEE/CVF Winter Conference on Applications of Computer Vision (**WACV**)*, 2026.
2. **Md Mostafijur Rahman** and Radu Marculescu. LoMix: Learnable Weighted Multi-Scale Logits Mixing for Medical Image Segmentation. In *Advances in Neural Information Processing Systems (**NeurIPS**)*, 2025. **code** | **paper** | **arxiv**
3. **Md Mostafijur Rahman** and Radu Marculescu. EffiDec3D: An Optimized Decoder for High-Performance and Efficient 3D Medical Image Segmentation. In *IEEE/CVF Computer Vision and Pattern Recognition Conference (**CVPR**)*, 2025. **code** | **paper** (🏆 **Highlight** (top 2.98% of submissions))
4. **Md Mostafijur Rahman**, Mustafa Munir, and Radu Marculescu. EfficientMedNeXt: Multi-Receptive Dilated Convolutions for Medical Image Segmentation. In *International Conference on Medical Image Computing and Computer-Assisted Intervention (**MICCAI**)*, 2025. **code** | **paper** (🏆 **Highlight** (top 4.87% of submissions))
5. **Md Mostafijur Rahman** and Radu Marculescu. MK-UNet: Multi-kernel Lightweight CNN for Medical Image Segmentation. In *International Conference on Computer Vision (**ICCV**) Workshops*, 2025. **code** | **paper** | **arxiv** (🏆 **Oral**)
6. **Md Mostafijur Rahman** and Radu Marculescu. Training-Free Dataset Pruning for Polyp Segmentation via Community Detection in Similarity Networks. In *Medical Imaging with Deep Learning (**MIDL**)*, 2025. **code** | **paper** (🏆 **Oral**)
7. Mustafa Munir, **Md Mostafijur Rahman**, Xiwen Wei, Yuedong Yang, and Radu Marculescu. SearchViG: Optimal Vision GNNs via Ramanujan Spectral Optimization. In *Learning on Graphs Conference (**LOG**)*, 2025. **code** | **paper**
8. Mustafa Munir, **Md Mostafijur Rahman**, and Radu Marculescu. RapidNet: Multi-Level Dilated Convolution Based Mobile Backbone. In *IEEE/CVF Winter Conference on Applications of Computer Vision (**WACV**)*, 2025. **code** | **paper** | **arxiv**
   🏆 **UT GAIN Best Poster Award 2025**
9. Mustafa Munir, Guihong Li, **Md Mostafijur Rahman**, and Radu Marculescu. From Data to Design: Leveraging Frequency Statistics for Efficient Neural Network Architectures. In *IEEE/CVF Computer Vision and Pattern Recognition Conference (**CVPR**) Workshops*, 2025. **paper**

10. Debesh Jha, Nikhil Kumar Tomar, **Md Mostafijur Rahman**, et al. MDNet: Multi-Decoder Network for Abdominal CT Organs Segmentation. In *IEEE International Conference on Acoustics, Speech, and Signal Processing (**ICASSP**)*, 2025. **code** | **paper** | **arxiv**
11. **Md Mostafijur Rahman**, Mustafa Munir, and Radu Marculescu. EMCAD: Efficient Multi-scale Convolutional Attention Decoding for Medical Image Segmentation. In *IEEE/CVF Computer Vision and Pattern Recognition Conference (**CVPR**)*, 2024. **code** | **paper** | **arxiv**
12. Mustafa Munir, William Avery, **Md Mostafijur Rahman**, and Radu Marculescu. GreedyViG: Dynamic Axial Graph Construction for Efficient Vision GNNs. In *IEEE/CVF Computer Vision and Pattern Recognition Conference (**CVPR**)*, 2024. **code** | **paper** | **arxiv**
13. **Md Mostafijur Rahman**, Mustafa Munir, Debesh Jha, Ulas Bagci, and Radu Marculescu. PP-SAM: Perturbed Prompts for Robust Adaptation of Segment Anything Model for Polyp Segmentation. In *IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**) Workshops*, 2024. **code** | **paper** | **arxiv**
14. **Md Mostafijur Rahman** and Radu Marculescu. G-CASCADE: Efficient Cascaded Graph Convolutional Decoding for 2D Medical Image Segmentation. In *IEEE/CVF Winter Conference on Applications of Computer Vision (**WACV**)*, 2024. **code** | **paper** | **arxiv**
15. **Md Mostafijur Rahman** and Radu Marculescu. Multi-scale Hierarchical Vision Transformer with Cascaded Attention Decoding for Medical Image Segmentation. In *Medical Imaging with Deep Learning (**MIDL**)*, 2023. **code** | **paper** | **arxiv** **Honorable Mention as Reproducible Submission**
16. **Md Mostafijur Rahman** and Radu Marculescu. Medical Image Segmentation via Cascaded Attention Decoding. In *IEEE/CVF Winter Conference on Applications of Computer Vision (**WACV**)*, 2023. **code** | **paper** **UT GAIN Best Poster Award 2023** **The Texas Health Catalyst Award 2024,** **UT Proof of Concepts Award 2025**
17. **Md Mostafijur Rahman**, Arpan Man Sainju, and Zhe Jiang. Mapping Road Safety Barriers Across Street View Image Sequences: A Hybrid Object Detection and Recurrent Model. In *ACM **SIGSPATIAL** International Workshop on AI for Geographic Knowledge Discovery*, 2021. **paper**
18. **Md Mostafijur Rahman**, Shanto Rahman, Minhas Kamal, M. Abdullah-Al-Wadud, Emon Kumar Dey, and Mohammad Shoyaib. Noise Adaptive Binary Pattern for Face Image Analysis. In *IEEE International Conference on Computer and Information Technology (**ICCIT**)*, 2015. **paper** **Best Paper Award 2015, First Prize Winner**

## *Journal Publications (Selected)*

1. Riad Hassan, M. Rubaiyat Hossain Mondal, Sheikh Iqbal Ahamed, Fahad Mostafa, and **Md Mostafijur Rahman**. An Efficient Dual-Line Decoder Network with Multi-Scale Convolutional Attention for Multi-organ Segmentation. *Biomedical Signal Processing and Control*, no. 112 (2026): 108611. **code** | **paper** | **arxiv**
2. **Md Mostafijur Rahman**, Shanto Rahman, and Mohammad Shoyaib. MCCT: a Multi-channel Complementary Census Transform for Image Classification. *Signal, Image, and Video Processing*, no. 2 (2018): 281-289. **paper**
3. Khalid Hussain, Shanto Rahman, **Md Mostafijur Rahman**, Shah Mostafa Khaled, M. Abdullah-Al Wadud, Muhammad Asif Hossain Khan, and Mohammad Shoyaib. A Histogram Specification Technique for Dark Image Enhancement using a Local Transformation Method. *IPSJ Transactions on Computer Vision and Applications*, no. 1 (2018): 3. **paper**
4. **Md Mostafijur Rahman**, Shanto Rahman, R. Rahman, M. Hossain, and Mohammad Shoyaib. DTCTH: a Discriminative Local Pattern Descriptor for Image Classification. *EURASIP J. on Image and Video Processing*, no. 1 (2017): 30. **paper**
5. Shanto Rahman, **Md Mostafijur Rahman**, M. Abdullah-Al-Wadud, G. Dastegir Al-Quaderi, and Mohammad Shoyaib. An Adaptive Gamma Correction for Image Enhancement. *EURASIP J. on Image and Video Processing*, no. 1 (2016): 35. **paper**

## *Patents*

1. Radu Marculescu and**Md Mostafijur Rahman**. System and Method for Multi-receptive Dilated Convolutions for Medical Image Segmentation. *U.S. Patent Application 63/884,909. University of Texas System,* 2026.
2. Radu Marculescu, **Md Mostafijur Rahman**, and Joga Ivatury. Training-free Dataset Pruning for Polyp Segmentation via Community Detection in Similarity Networks. *U.S. Patent Application 64/019,073. University of Texas System,* 2026.
3. **Md Mostafijur Rahman**, Bruno Astuto Arouche Nunes, Ashok Vardhan Addala, Keerthi Sravan Ravi, Fei Tan, and Ravi Soni. Lightweight Multi-purpose Architecture for Edge Artificial Intelligence. *GE Healthcare, Patent Pending,* 2026.
4. Radu Marculescu and **Mostafijur Rahman**. Image Segmentation System via Graph or Multiscale Cascaded Attention Decoding. *U.S. Patent Application 18/929,153. University of Texas System,* 2025. **application**

## *Abstracts*

1. Sarah Hooper, **Md Mostafijur Rahman**, Azaan Rehman, Robyn Wyrick, Alexander Zhovmer, Ryan O'Neill, Nasser Rusan, David A. Ball, Tatiana S. Karpova, Kelly Monaghan, Dorian B. McGavern , Christian A. Combs. FMDNet: A General Purpose, Pretrained Fluorescence Microscopy Denoising Network. *Focus on Microscopy Conference*, 2026.

2. Sarah Hooper, **Md Mostafijur Rahman**, Azaan Rehman, Alexander Zhovmer, Robert Fariss, David A. Ball, Tatiana S. Karpova, Kelly Monaghan, Dorian B. McGavern, and Christian A. Combs. FMDNet: A General Purpose, Pretrained Fluorescence Microscopy Denoising Network. In *NHLBI, NIH Division of Intramural Research Annual All-Staff Retreat*, 2026. **Best Poster Award**, given to 10 posters of 160)
3. Sarah Hooper, **Md Mostafijur Rahman**, Azaan Rehman, Hui Xue, and Christian Combs. Few-Shot Image Denoising with a Multi-scale Convolutional Transformer and Progress Towards Creating a Toolbox for Evaluating Model Inferences. In *International Weber Symposium on Innovative Fluorescence Methodologies in Biochemistry and Medicine,* 2025.
4. **Md Mostafijur Rahman**, Azaan Rehman, Sarah Hooper, and Christian Combs. Few-shot Image Denoising with a Pretrained Convolutional Transformer Backbone. In *EPFL Latsis Symposium on Smart Microscopy,* 2024.

### *Forthcoming Manuscripts*

1. Sarah Hooper, **Md Mostafijur Rahman**, Azaan Rehman, Robyn Wyrick, Alexander Zhovmer, Ryan O'Neill, Nasser Rusan, David A. Ball, Tatiana S. Karpova, Kelly Monaghan, Dorian B. McGavern, Hui Xue, Christian A. Combs. FMDNet: A General-Purpose, Pretrained Fluorescence Microscopy Denoising Network. *Cell Reports Methods, Under Review,* 2026.
2. Gayatri Deshmukh, Onkar Susladkar, **Md Mostafijur Rahman**, Amir Borhani, Daniela Ladner, Gorkem Durak, and Ulas Bagci. ViCTr-3D: Vital Consistency Transfer for Pathology Aware Volumetric Image Synthesis. *IEEE Transactions on Medical Imaging (TMI), Under Revision,* 2026.
3. Abid Hasan Zim, Xiaomin Lin, **Md Mostafijur Rahman**, Jong-Hoon Youn, Nathan Jacobs, Xin Xing. LiteCrackSeg: A Hybrid Architecture for Efficient Crack Segmentation. In *AAAI Conference on Artificial Intelligence. Under Review,* 2026.
4. **Md Mostafijur Rahman**, Shruti Sriram, Joga Ivatury, and Radu Marculescu. SACNet: Scale-Adaptive Convolutional Decoder for Generalizable Polyp Segmentation. *Under Submission,* 2026.
5. **Md Mostafijur Rahman**, Mustafa Munir, and Radu Marculescu. DiffViT: Efficient Vision Transformers with Differential Attention. *Under Submission,* 2026.
6. Mustafa Munir, **Md Mostafijur Rahman**, Kartikeya Bhardwaj, Paul N. Whatmough, and Radu Marculescu. PipeFlow: Pipelining Inversion and Editing for Faster Long Form Video Synthesis. *Under Review,* 2026.

## Honors and Awards (Selected)

- **ML and Systems Rising Star Award**, MLCommons — April 2026
- **Professional Development Award**, UT Austin — Dec 2025
- **OpenAI Researcher Access Program Award** (Co-PI), OpenAI — 2025-2026
- **MIDL Travel Award**, MIDL — 2025
- **MICCAI NIH Travel Award**, MICCAI — 2025
- **CVPR Broadening Participation Award**, CVPR — 2025
- **NSF I-corps Award** (team member), National Science Foundation (NSF) — 2025-2026
- **Discovery to Impact Award** (team member), UT Austin — 2025
- **Proof of Concepts Award** (team member), Cockrell School of Engineering, UT Austin — 2025
- **Stanford AIMI In-person Attendance Scholarship**, Stanford AIMI — 2025
- **The Texas Health Catalyst Award** (team member), UT Austin — 2024
- **Summer IRTA Fellowship**, National Institutes of Health (NIH) — Summer 2024
- **Ram's Horn Best Project Award**, UT Austin — May 2023
- **Professional Development Award**, UT Austin — July 2023
- **Best Poster Award**, Graduate and Industry Networking (GAIN), UT Austin — Mar 2023
- **Feldman Graduate Research Fellowship**, UT Austin — Summer 2022
- **Graduate Council Research Fellowship**, The University of Alabama, Tuscaloosa — 2021
- **Innovation Award**, Access to Information (A2I), Prime Minister's Office, Bangladesh — 2018
- **Best Paper Award (1st Prize)**, Int. Conf. on Computer and Information Technology (ICCIT), IEEE — 2015
- **Graduate Research Fellowship**, Ministry of Information and Communication Technology, Bangladesh — 2015 – 2016

## Teaching Experience

**Texas Tech University (TTU)** Sep 2026 – Present

*Assistant Professor*, Department of Electrical and Computer Engineering

**The University of Texas at Austin (UT Austin)** Jan 2022 – May 2022

*Graduate Teaching Assistant*, Department of Electrical and Computer Engineering

- Course: *EE319K Introduction to Embedded Systems* by Dr. Jonathan Valvano
- Led lab sections; prepared lab materials; proctored exams
- Provided hands-on debugging/verification in labs and office hours
- Graded homework, lab reports, and exams per rubric

**University of Barishal (BU), Bangladesh** Dec 2020 – Jan 2021

*Assistant Professor*, Department of Computer Science and Engineering

- Supervised student research and projects on artificial intelligence

**University of Barishal (BU), Bangladesh** Sep 2016 – Dec 2020

*Lecturer*, Department of Computer Science and Engineering

- Designed and taught 10+ courses, including *CSE-1103 Programming Fundamentals*, *CSE-2107 Object Oriented Programming*, *CSE-4101 Artificial Intelligence*, *CSE-4107 Digital Signal and Image Processing*, *CSE-1201 Discrete Mathematics*, and *CSE-3105: Operating Systems*
- Supervised student research and projects

## Professional Experience

**The University of Texas at Austin (UT Austin)** Jan 2022 – Aug 2026

*Graduate Research Assistant*

- Advised by: Dr. Radu Marculescu
- Working on Medical imaging, Computer vision, Efficient AI, Generative AI, and Multi-modal AI

**GE Healthcare, San Ramon, CA, USA** May 2025 – Oct 2025

*AI/ML PhD Intern*

- Advised by: Dr. Bruno Astuto A. Nunes and Dr. Ravi Soni
- Worked on Lightweight/Efficient AI and Medical Image Analysis (selected for **patent** filing)

**National Institutes of Health (NIH)** May 2024 – Aug 2024

*Summer IRTA Fellow*, National Heart, Lung, and Blood Institute (NHLBI)

- Advised by: Dr. Sarah Hooper and Dr. Christian Combs
- Worked on Lightweight/Efficient AI for Universal Light Microscopy Image Denoising

**Bosch Research, Pittsburgh, USA** May 2023 – Aug 2023

*Machine Learning Research Intern*

- Advised by: Dr. Chaithanya Kumar Mummadi and Dr. Filipe Condessa
- Worked on monocular or single-image depth prediction with deep learning

**Samsung Research, Bangladesh** May 2016 – Sep 2016

*Senior Software Engineer*

- Conducted research and development on Android application for autistic children

## Experience with Research Grant

*Assisted in proposal preparation for the following research grants (selected):*

- **AI-Powered Polyp Detection with Pixel-level Precision** (team member), NSF SBIR. Under Review — Nov 2025
- **Enabling Real-time, Scalable, and Verifiable Generative Visual AI**, NSF CISE. Funded amount: $557,460 — 2025-2028
- **NSF I-corps** (team member), National Science Foundation (NSF). Funded amount: $50,000 — 2025-2026
- **OpenAI Researcher Access Program Award** (Co-PI), OpenAI. Funded amount: $1,000 API credit — 2025-2026
- **Cockrell School of Engineering Proof of Concept Award** (team member), UT Austin. Funded amount: $25,000 — 2025
- **Discovery to Impact Award** (team member), UT Austin. Funded amount: $25,000 — 2025
- **The Texas Health Catalyst Award** (team member), UT Austin. Funded amount: $35,000 — 2024
- **Talking Glass** (PI), Innovation Award, Access to Information (A2I), Bangladesh. Funded amount: $12,000 — 2018-2020

## Advising and Mentoring

- **William Avery** (MS, UT Austin. Current: Apple)
  - Co-authored an article at CVPR'2024

  **Riad Hassan** (MS, Bangladesh University of Engineering and Technology (BUET). Current: Green University of Bangladesh)
  - Co-authored an article at the Journal of Biomedical Signal Processing and Control
- **SM Nuruzzaman Nobel** (BS, Bangladesh University of Business & Technology (BUBT). Current: Monash University Malaysia)
- **Abu Saem Shefatullah** (BS, BU. First job: Google)
  - Coached ICPC'2018, ICPC'2019
- **Chandrika Saha** (BS, BU. First job: Outlier)
  - Co-authored ICISET'2018, ECCE'2019, ICIEV'2019

  In addition, I mentored dozens of undergrad students who published papers in different conferences or won different competitions: **Umme Habiba**, **Md Rasel Howlader**, **Md Aminul Islam**, **Sharmin Sultana**, **Badal Chandra Mitra**, etc.

## Academic Services

| | |
|---|---|
| **Conference Reviewer** | ICLR 2026, ICCV 2025, MICCAI 2025, CVPR 2025, ICLR 2025, ISBI 2025, WACV 2025, NeurIPS 2024, MICCAI 2024, CVPR 2024, WACV 2024, ISBI 2024, NeurIPS 2023, WACV 2023, NeurIPS 2022 |
| **Journal Reviewer** | IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), IEEE Transactions on Medical Imaging (TMI), Medical Image Analysis (MedIA), IEEE Transactions on Image Processing (TIP), Pattern Recognition Letters, IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), IEEE Transactions on Neural Networks and Learning Systems (TNNLS), Computers in Biology and Medicine, Expert Systems with Applications, PLOS ONE, Signal, Image, and Video Processing |
| **Coach** | Team_Robust (2017-2019), BU_Girls (2019)<br>• Team_Robust received divisional champion titles in the 2017, 2018 and 2019 ACM International Collegiate Programming Contest (ICPC) Asia Dhaka Regional<br>• BU_Girls became divisional champion in the 2019 National Girls Programming Contest (NGPC) |
| **Coordinator** | NASA Space Apps Challenge (2018-2020) |
| **House Tutor** | Bangabandhu Hall, BU (2017-2020) |
| **Student Advisor** | Department of Computer Science and Engineering (CSE), BU (2016-2020) |

## Presentations (Selected)

*8+ talks, 19+ poster presentations, 1 guest lecture*

| | |
|---|---|
| **Conference Talk** | MK-UNet: Multi-kernel Lightweight CNN for Medical Image Segmentation, *International Conference on Computer Vision (ICCV),* Honolulu, Hawaii, October 2025 |
| **Poster** | Training-Free Dataset Pruning for Polyp Segmentation via Community Detection in Similarity Networks, *iMAGiNE Consortium, AMD,* Austin, Texas, October 2025 |
| **Highlight Poster** | EfficientMedNeXt: Multi-Receptive Dilated Convolutions for Medical Image Segmentation, *International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI),* Daejeon, South Korea, September 2025 |
| **Highlight Poster** | EfficientMedNeXt: Multi-Receptive Dilated Convolutions for Medical Image Segmentation, *International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI),* Daejeon, South Korea, September 2025 |
| **Invited Talk** | EffiDec3D: An Optimized Decoder for High-Performance and Efficient 3D Medical Image Segmentation, *The AI, ML, and Computer Vision Meetup, Voxel51 Events,* August 2025 |
| **Internship Talk** | Lightweight Architecture for Edge-AI, *GE Healthcare,* San Ramon, California, August 2025 |
| **Conference Talk** | Training-Free Dataset Pruning for Polyp Segmentation via Community Detection in Similarity Networks, *Medical Imaging with Deep Learning (MIDL),* Salt Lake City, Utah, July 2025 (Also **Highlight Poster**) |
| **Invited Talk** | EffiDec3D: An Optimized Decoder for High-Performance and Efficient 3D Medical Image Segmentation, *San Ramon Journal Club, GE Healthcare,* San Ramon, California, June 2025 |
| **Highlight Poster** | EffiDec3D: An Optimized Decoder for Efficient High-Performance 3D Medical Image Segmentation, IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), Nashville, Tennessee, June 2025 |
| **Poster** | From Data to Design: Leveraging Frequency Statistics for Efficient Neural Network Architectures, *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR),* Nashville, Tennessee, June 2025 |
| **Invited Talk** | Towards Efficient AI for Biomedical Imaging: Reducing Computation and Data Demands, *Stanford MedAI,* April 2025 |
| **Poster** | EMCAD: Efficient Multi-scale Convolutional Attention Decoding for Medical Image Segmentation, *iMAGiNE Consortium,* The University of Texas at Austin, April 2025 |
| **Guest Lecture** | Deep Learning in Biomedical Imaging, *ECE379K: Machine Learning and Data Analytics for EdgeAI,* The University of Texas at Austin, April 2025 |
| **Poster** | Efficient Multi-scale Convolutional Attention Decoding for Medical Image Segmentation, *Graduate and Industry Networking Event (GAIN),* The University of Texas at Austin, January 2025 |
| **Invited Talk** | Efficient Deep Learning for Biomedical Imaging, *National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH),* Bethesda, Maryland, August 2024 |
| **Internship Poster** | Universal Light Microscopy Denoising via Lightweight Multi-scale Convolutional Transformer, *National Institutes of Health (NIH),* Bethesda, Maryland, August 2024 |
| **Poster** | EMCAD: Efficient Multi-scale Convolutional Attention Decoding for Medical Image Segmentation, *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR),* Seattle, Washington, June 2024 |
| **Poster** | GreedyViG: Dynamic Axial Graph Construction for Efficient Vision GNNs, *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR),* Seattle, Washington, June 2024 |
| **Poster** | PP-SAM: Perturbed Prompts for Robust Adaptation of Segment Anything Model for Polyp Segmentation, *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops,* Seattle, Washington, June 2024 |
| **Poster** | G-CASCADE: Efficient Cascaded Graph Convolutional Decoding for 2D Medical Image Segmentation, *Graduate and Industry Networking Event (GAIN),* The University of Texas at Austin, January 2024 |
| **Poster** | G-CASCADE: Efficient Cascaded Graph Convolutional Decoding for 2D Medical Image Segmentation, *IEEE/CVF Winter Conference on Applications of Computer Vision,* Waikoloa, Hawaii, January 2024 |
| **Internship Poster** | Single Image Depth Prediction with Deep Scene Regularization, *Bosch Center for Artificial Intelligence (BCAI),* Pittsburgh, August 2023 |

**Spotlight Talk** Multi-scale Hierarchical Vision Transformer with Cascaded Attention Decoding for Medical Image Segmentation, *Medical Imaging with Deep Learning (MIDL),* Nashville, Tennessee, July 2023 (Also **Poster**)

**Poster** Medical Image Segmentation via Cascaded Attention Decoding, *iMAGiNE Consortium,* The University of Texas at Austin, March 2023

**Poster** Medical Image Segmentation via Cascaded Attention Decoding, *Graduate and Industry Networking Event (GAIN),* The University of Texas at Austin, January 2023

**Poster** Medical Image Segmentation via Cascaded Attention Decoding, *IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)*, Waikoloa, Hawaii, January 2023