Sharif Amit Kamran

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| EDUCATION | PhD. in Computer Science and Engineering | CGPA : 3.5 / 4.0 |
|--------------------------|---|--------------------------|
| | University of Nevada, Reno | Aug 2019 – Presen |
| | Bsc. in Computer Science and Engineering | CGPA : 3.45 / 4.0 |
| | BRAC University, Bangladesh | Jan 2013 – Apr 2017 |
| SELECTED PUBLICATIONS | Improving Robustness using Joint Attention Network For Detecting Retinal Degeneration From Optical Coherence Tomography Images in <i>27th International Conference on Image Processing 2020 (ICIP)</i>. A High Throughput Machine-Learning Driven Analysis of Ca 2+ Spatio-temporal Maps, 2020, in <i>Cell</i> | |
| | Calcium, 91, p.102260 ■ Attention2AngioGAN: Synthesizing Fluorescein Angiography from Generative Adversarial Networks in 25th International Conference on Page | 9 |
| | ** For full list of publications: (Link) | (c e = 1-). |
| WORK EXPERIENCE | Graduate Research Assistant , University of Nevada, Reno Department of Computer Science and UNR school of Medicine | Aug 2019 – Present |
| | Co-Founder , Bengali.AI <i>Dhaka, Bangladesh</i> | Apr 2018 – Presen |
| | Mentor , Research & Engineering Apprenticeship Program (REAP) US Army Educational Outreach Program | Jun 2020 – Aug 2020 |
| | Researcher , Center for Cognitive Skill Enhancement Independent University Bangladesh (IUB), Dhaka, Bangladesh. | May 2017 – Jun 2019 |
| PROJECTS | Systems: Linux OS, Google Cloud Platform (Compute Engine & App Engine) Retinal Image Synthesis using Generative Adversarial Networks Implemented an attention-based generative adversarial networks for synthesizing Fluroscien Angiography from Retinal Fundus Photography. | |
| PROJECTS | | |
| | Created a pipeline for Ca2+ spatio-temporal map generation, denoising and segmentation using deep learning. | |
| | Traffic Sign Recognition using Residual Convolutional Neural Network Achieved state-of-the-art results for road traffic sign recognition using deep residual neural network network for German and Belgian Traffic sign data-set. | |
| | Semantic Segmentation using Fully Convolutional Neural Networks (FCN) ■ Implemented a FCN using dilated convolution and multi-scale skip connections for semantic segmentation and participated in University of Oxford's Pascal-VOC 2012 challenge. | |
| ACADEMIC SERVICES | Reviewer ■ BMVC-2020, WACV-2020, ICRA-2019, Sensors, IJAIT | 2019 – Present |
| | Graduate Teaching Assistant ■ CS491/CS691 Deep Learning | Jan 2020 – May 2020 |
| SELECTED COURSEWORK | Deep Learning, Machine Learning, Computer Vision, Algorithms, Ophthalmic Visual Computing, Applied Computer Vision, Image Processing | |
| AWARDS & HONORS | ■ Graduate Dean's Merit Scholarship , Fall 2019 and Spring 2020 | Aug 2019 – May 2020 |
| | ■ Best Paper Award , 2018 International Symposium on Advanced Intelligent Informatics (SAIN) | Aug 2018 |