Matiur Rahman Minar

Curriculum Vitae

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Education

2019-2021	**MS in Electrical and Information Engineering** Department of Electrical and Information Engineering (EIE) Seoul National University of Science and Technology (SeoulTech) Seoul, Republic of Korea
2010-2015	**B.Sc. in Computer Science and Engineering** Department of Computer Science and Engineering (CSE) Bangladesh University of Engineering and Technology (BUET) Dhaka, Bangladesh

Employment

Research Experience

Mar 2019 - present	**Research Assistant** *(Graduate)* Department of Electrical and Information Engineering (EIE) Seoul National University of Science and Technology (SeoulTech) Seoul, Republic of Korea
Sep 2018 - Feb 2019	**Research Intern** *(Graduate)* Department of Electrical and Information Engineering (EIE) Seoul National University of Science and Technology (SeoulTech) Seoul, Republic of Korea

Industry Experience

Jan 2014 - Jul 2018	**Framework Architect** *(Remote)* Automation Solutionz Inc. (https://www.zeuz.ai/) Waterloo, Ontario, Canada
Dec 2015 - Jan 2017	**Software Automation Tester** *(Remote)* Asset Science LLC (https://assetscience.com/) Waterloo, Ontario, Canada

Publications

Refereed Publications

1. **Matiur Rahman Minar**, Heejune Ahn. "*CloTH-VTON: Clothing Three-dimensional reconstruction for Hybrid image-based Virtual Try-ON.*" Asian Conference in Computer Vision, 2020 (**ACCV 2020**).
2. **Matiur Rahman Minar**, Thai Thanh Tuan, Heejune Ahn, Paul Rosin, and Yu-Kun Lai. "*3D Reconstruction of Clothes using a Human Body Model and its Application to Image-based Virtual Try-On.*" CVPR Workshop on Computer Vision for Fashion, Art and Design, 2020 (**CVPRW 2020**). URL: Article
3. **Matiur Rahman Minar**, Thai Thanh Tuan, Heejune Ahn, Paul Rosin, and Yu-Kun Lai. "*CP-VTON+: Clothing Shape and Texture Preserving Image-Based Virtual Try-On.*" CVPR Workshop on Computer Vision for Fashion, Art and Design, 2020 (**CVPRW 2020**). URL: Article

Other Publications

1. **Matiur Rahman Minar**, Thai Thanh Tuan, and Heejune Ahn. "*An Improved VTON (Virtual-Try-On) Algorithm using a Pair of Cloth and Human Image.*" Journal of the Korea Industrial Information Systems Research 25.2 (2020): 11-18. DOI: 10.9723/jksiis.2020.25.2.011. URL: Article (*Korean*)
2. Thai Thanh Tuan, **Matiur Rahman Minar**, and Heejune Ahn. "*Performance Evaluation of VTON (Virtual-Try-On) Algorithms using a Pair of Cloth and Human Image.*" Journal of the Korea Industrial Information Systems Research 24.6 (2019): 25-34. DOI: 10.9723/jksiis.2019.24.6.025. URL: Article (*Korean*)
3. Heejune Ahn, and **Matiur Rahman Minar**. "*Fashion-show Animation Generation using a Single Image to 3D Human Reconstruction Technique.*" Journal of the Korea Industrial Information Systems Research 24.5 (2019): 17-25. DOI: 10.9723/jksiis.2019.24.5.017. URL: Article (*Korean*)
4. S. M. Farhad, **Matiur Rahman Minar**, and Sudipta Majumder, "*Measurement of Vital Signs with Non-invasive and Wireless Sensing Technologies and Health Monitoring*", Journal of Advances in Information Technology (JAIT ISSN:1798-2340), Vol. 8, No. 3, pp. 187-193, August, 2017. DOI: 10.12720/jait.8.3.187-193. URL: Article

Achievements

1. **The 4th Look Into Person (LIP) Challenge - Track 3 Image-based Multi-pose Virtual Try-on Challenge:** *2nd Place Winner* (**CVPR 2020**)
   Team: Thai Thanh Tuan, **Matiur Rahman Minar**, Heejune Ahn
   Organizer: Workshop on Towards Human-Centric Image/Video Synthesis, and the 4th Look Into Person (LIP) Challenge (https://vuhcs.github.io/)

Projects

1. **Virtual Try-On** (https://square.seoultech.ac.kr/~icom/lab_intro.html)
   Fashion clothing based virtual try-on for online shopping malls. Ongoing at SeoulTech, working since September 2018.

2. **ZeuZ Framework** (https://www.zeuz.ai/)
   Framework for web-based all-in-one software management, along with hybrid and end-to-end test execution and management. Work done at Automation Solutionz Inc. From January 2014 to July 2018.

Theses

MS Thesis *(Ongoing)*
A Study on 3D reconstruction from clothing image and application to Virtual Try-On
Seoul National University of Science and Technology, 2021.
Supervised by: Prof. Dr. Heejune Ahn

BSc Thesis
Measurement of Vital Signs with Non-invasive and Wireless Sensing Technologies and Health Monitoring
Bangladesh University of Engineering and Technology, 2015.
Supervised by: Dr. S. M. Farhad

Misc.

Google Scholar: https://scholar.google.com/citations?user=eQX-7Q4AAAAJ&hl=en
Github: https://github.com/minar09