

# Matiur Rahman Minar

Curriculum Vitae

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☁ minar09.github.io

## Education

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- 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
- Thesis: *A Study on 3D reconstruction from clothing image and application to Virtual Try-On*  
Supervisor: **Prof. Dr. Heejune Ahn**
- 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
- Thesis: *Measurement of Vital Signs with Non-invasive and Wireless Sensing Technologies and Health Monitoring*  
Supervisor: **Prof. Dr. S. M. Farhad**

## Employment

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- Feb 2021 - present AI Engineer**  
NetTargets Inc. (<https://www.net-targets.com/>)  
Daejeon, Republic of Korea
- Mar 2019 – Jan 2021 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
- 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)**

## Publications

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### Refereed Publications

1. **Matiur Rahman Minar**, Thai Thanh Tuan, Heejune Ahn. "*CloTH-VTON+: Clothing Three-dimensional reconstruction for Hybrid image-based Virtual Try-ON.*" **IEEE Access**, vol. 9, pp. 30960-30978, 2021. URL: [Article](#)
2. **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**). URL: [Article](#)
3. **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](#)
4. **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. Heejune Ahn, and **Matiur Rahman Minar**. "*3D Reconstruction of a Single Clothing Image and Its Application to Image-based Virtual Try-On.*" Journal of the Korea Industrial Information Systems Research 25.5 (2020): 1-11. DOI: 10.9723/jksiis.2020.25.5.001. URL: [Article \(Korean\)](#)
2. **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 \(Korean\)](#)
3. 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 \(Korean\)](#)
4. 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 \(Korean\)](#)
5. 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

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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

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1. **Virtual Try-On** ([https://square.seoultech.ac.kr/~icom/lab\\_intro.html](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.

## Skills

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**Programming:** Python, C, C++, C#, Matlab, Java

**Machine Learning:** PyTorch, TensorFlow, Keras

**Image Processing:** OpenCV, Pillow, Matlab, etc.

**Web Development:** Django, ASP.NET, JQuery, JavaScript, HTML, CSS, etc.

**Testing & Scraping:** Selenium, Appium, Scrapy

**Databases:** PostgreSQL, MySQL, Neo4j

**Writing:** LaTeX

## Misc.

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**Google Scholar:** <https://scholar.google.com/citations?user=eQX-7Q4AAAAJ&hl=en>

**Github:** <https://github.com/minar09>

**LinkedIn:** <https://www.linkedin.com/in/minar09/>

**Webpage:** <https://minar09.github.io/>