

Muhammad Ammar UI Hassan

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[Personal website](#)

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Education

- Soongsil University** | Seoul, South Korea 2018-
Ph.D. in Computer Science. Advisor: Jaeyoung Choi
Research in Unsupervised image generation using GANs, Self-supervised learning, Text synthesis and manipulation
GPA 4.37/4.5
- Soongsil University** | Seoul, South Korea 2016-2018
Master of Engineering, Department of Computer Science and Engineering
FreeType Outlet Adapter (FOA): A module for adding new functionality inside the FreeType rasterizer
GPA 4.4/4.5
- International Islamic University** | Islamabad, Pakistan 2009-2013
Bachelor of Software Engineering, Department of Software Engineering
Tic Tac Toe game in android using SMS
GPA 3.25/4.0

Research Papers

Ammar UI Hassan, Irfanullah Memon, and Jaeyoung Choi. "Real-time high quality font generation with Conditional Font GAN." Expert Systems With Applications ESWA 118907.

Ammar UI Hassan and Jaeyoung Choi. "FontNet: Closing the gap to font designer performance in font synthesis." AI for Content Creation (CVPR 2022).

Ammar UI Hassan, Hammad Ahmed, and Jaeyoung Choi. "Unpaired font family synthesis using conditional generative adversarial networks." Knowledge-Based Systems 229 (2021): 107304.

Ko, Debbie Honghee, **Ammar UI Hassan**, Jungjae Suk, and Jaeyoung Choi. "SKFont: skeleton-driven Korean font generator with conditional deep adversarial networks." International Journal on Document Analysis and Recognition (IJDAR) 24, no. 4 (2021): 325-337.

Ko, Debbie Honghee, **Ammar UI Hassan**, Saima Majeed, and Jaeyoung Choi. "Skelgan: A font image skeletonization method." Journal of Information Processing Systems 17, no. 1 (2021): 1-13.

Majeed, Saima, **Ammar UI Hassan**, and Jaeyoung Choi. "Rendering high-quality PK bitmap font in Linux environment." Cluster Computing 24, no. 1 (2021): 559-568.

Ko, Debbie Honghee, **Ammar UI Hassan** UI Muhammad, Saima Majeed, and Jaeyoung Choi. "Font2Fonts: A modified Image-to-Image translation framework for font generation." In The 9th International Conference on Smart Media and Applications, pp. 288-294. 2020.

Ammar UI Hassan, Jaeyoung Choi, and Geunho Jeong. "MF Integrator: A Module for Converting METAFONT into Outline Font." Proceedings of Engineering and Technology Innovation 9 (2018): 44.

Jaeyoung Choi, **Ammar UI Hassan**, and Jeong, Geunho. "FreeType MF Module: A module for using METAFONT directly inside the FreeType rasterizer." TUGboat, 2018.

Last updated 06/10/2023

Employment

Heurixtics Pvt. Ltd., Web developer | Islamabad, Pakistan
Development of Websites using PHP based Frameworks
WordPress, CodeIgniter, Custom PHP, and MySQL

2014-2016

Teaching & Services

Graduate Student Instructor, 5041345801 | Seoul, South Korea
Head TA for Deep learning programming.

2021

Awards and Honors

International Graduate Research Scholarship
International Graduate Research Scholarship
Government scholarship
Font2Fonts paper got Best Paper Bronze award

2018-present (Ph.D)

2016-2018 (M.S.)

2009-2013 (B.S.)

SMA (2020)

Skills

Programming languages
Deep learning Frameworks

PHP, Python
TensorFlow, PyTorch