Muhammad Ammar UI Hassan

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Personal website
Google Scholar

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 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.

Ammar UI Hassan, Sungmin Kim, and Jaeyoung Choi. "FreeType Outlet Adapter for adding new components." In Proceedings of the Korea Information Processing Society Conference, pp. 9-12. Korea   Information   Processing   Society,   2017.

Employment

Heurixtics Pvt. Ltd., Web developer | Islamabad, Pakistan   2014-2016
Development of Websites using PHP based Frameworks
WordPress, CodeIgniter, Custom PHP, and MySQL

Teaching & Services

Graduate Student Instructor, 5041345801 | Seoul, South Korea   2021
Head TA for Deep learning programming.

Awards and Honors

International Graduate Research Scholarship   2018-present (Ph.D)
International Graduate Research Scholarship   2016-2018 (M.S.)
Government scholarship   2009-2013 (B.S.)
Font2Fonts paper got Best Paper Bronze award   SMA (2020)

Skills

Programming languages   PHP, Python
Deep learning Frameworks   TensorFlow, PyTorch