

Muhammad Ammar UI Hassan

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[Personal website](#)

Education

- Soongsil University** | Seoul, South Korea 2018-
Ph.D. in Computer Science. Advisor: Jaeyoung Choi
Research in Generative models and Font synthesis
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**, 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.
- Jaeyoung Choi, Saima Majeed, Hassan, **Ammar UI Hassan**, and Geunho Jeong. "FreeType MF Module2: Integration of METAFONT, GF, and PK inside FreeType." TUGboat, 2019.
- 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.

Last updated 03/22/2023

Employment

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

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