FAHIM FAISAL

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Google Scholar

Education

- **George Mason University** — Virginia
  Ph.D in Computer Science (ongoing) — January. 2020 – Present
  - GPA: **4.00**/4.00 [for 33 credits]

- **Islamic University of Technology** — Gazipur
  B.Sc. in Computer Science and Engineering — Dec. 2012 – Nov. 2016
  - CGPA: **3.78** (out of 4.00)
  - Class Rank: **12** (out of 48)

Research Interests

- Multilingual NLP, Cultural aspect of NLP, Language Variety, NLP and Machine Learning in General

Research & Professional Experience

- **Research Assistant** — Virginia, USA
  George Mason NLP Lab — June. 2020 - Present

- **Teaching Assistant** — Virginia, USA
  George Mason University — January. 2020 - May, 2021
  - CSE 112: Python Programming
  - CSE 367: Computer Systems and Programming

- **NRT trainee** — Virginia, USA
  NSF Research Traineeship (NRT) Program, CASBBI — June. 2020 - May. 2021
  - Community-engaged project designing
  - Project: Students with disabilities in COVID-19: Parents' perspective

- **Teaching & Research Assistant** — Dhaka, Bangladesh
  BRAC University — June. 2019 - Present
  - Multimedia and Signal Processing Lab (RA)
  - CSE 221: Algorithms (TA & Student tutor coordinator)
  - CSE 341: Microprocessors (TA, Grading)
  - CSE 340: Computer Architecture (TA, Grading)

- **Teaching Assistant** — Gazipur, Bangladesh
  Islamic University of Technology — Jan. 2018 - Oct. 2018
  - CSE 4202: Computer Programming (Instructor)
  - CSE 4304: Data Structure Lab (Instructor)
  - CSE 4305: Computer Organization and Architecture (TA, Grading)
  - CSE 4307: Database Management Systems (TA, Grading)
  - CSE 4405: Data and Telecommunications (TA, Grading)

- **Software Engineer** — Dhaka, Bangladesh
  Samsung R&D Institute — Mar. 2017 - Sept. 2017
  - Samsung Gear 360 Camera Application Development
  - Worked in Project Life-cycle Management(PLM) environment
  - Worked on language localization module of Tizen mobile application

- **Junior Software Engineer** — Dhaka, Bangladesh
  Divine IT Limited — Nov. 2016 - Jan. 2017
  - Systematic development and maintenance of Prism ERP software
  - Developed an automated report generation module

Publications

○ Faisal, F., Wang, Y., & Anastasopoulos, A. (n.d.). Dataset geography: Mapping language data to language users. *accepted in ACL 2022 main conference*. Retrieved from https://arxiv.org/abs/2112.03497 [code]

○ Faisal, F., & Anastasopoulos, A. (2022). Phylogeny-inspired adaptation of multilingual models to new languages. *Accepted for publication in AACL 2022*. Retrieved from https://arxiv.org/abs/2205.09634 [code]

○ Faisal, F., Keshava, S., Alam, M. M. I., & Anastasopoulos, A. (2021, November). SD-QA: Spoken dialectal question answering for the real world. In *Findings of the association for computational linguistics: Emnlp 2021* (pp. 3296–3315). Punta Cana, Dominican Republic: Association for Computational Linguistics. Retrieved from https://aclanthology.org/2021.findings-emnlp.281 [code]

○ Faisal, F., & Anastasopoulos, A. (2021, November). Investigating post-pretraining representation alignment for cross-lingual question answering. In *Proceedings of the 3rd workshop on machine reading for question answering* (pp. 133–148). Punta Cana, Dominican Republic: Association for Computational Linguistics. Retrieved from https://aclanthology.org/2021.mrqa-1.14 [code]

○ Mahmud, J., Faisal, F., Arnob, R. I., Anastasopoulos, A., & Moran, K. (2021, August). Code to comment translation: A comparative study on model effectiveness & errors. In *Proceedings of the 1st workshop on natural language processing for programming (nlp4prog 2021)* (pp. 1–16). Online: Association for Computational Linguistics. Retrieved from https://aclanthology.org/2021.nlp4prog-1.1 doi: 10.18653/v1/2021.nlp4prog-1.1

○ Choudhury, N., Faisal, F., & Khushi, M. (2020). Mining temporal evolution of knowledge graphs and genealogical features for literature-based discovery prediction. *Journal of Informetrics*, *14*(3), 101057. Retrieved from https://www.sciencedirect.com/science/article/pii/S1751157719304468 doi: https://doi.org/10.1016/j.joi.2020.101057 [code]

○ Faisal, F., Bhuiyan, S. A., Ashraf, F. B., & Kamal, A. R. M. (2019). A framework for disease identification from unstructured data using text classification and disease knowledge base. In *2019 5th international conference on advances in electrical engineering (icaee)* (p. 547-554). doi: 10.1109/ICAEE48663.2019.8975447 [paper]

Volunteer experience

○ Reviewer at SUKI: Structured and Unstructured Knowledge Integration Workshop at NAACL 2022

○ Student Volunteer at ACL 2022, NAACL 2022

References Available to Contact

○ **Dr. Antonios Anastasopoulos**
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○ **Dr. Ziyu Yao**
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