

Wasi Uddin Ahmad

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About	I am an applied scientist at AWS AI Labs. I am part of the science team that builds Amazon CodeWhisperer. My current works revolve around training large language models for code generation and developing code embedding models to facilitate code search, code re-ranking, and retrieval augmented generation.	
Professional Experience	Applied Scientist , AWS CodeWhisperer [10/2021 – Present] Amazon Web Services, Santa Clara, California Research Intern , Language and Translation Technology [06/2020 – 09/2020] Facebook AI, Menlo Park, California Research Intern , Ad Quality Science [06/2019 – 09/2019] Yahoo Research, Sunnyvale, California Research Intern , Business Applications Group [06/2018 – 09/2018] Microsoft AI and Research, Redmond, Washington Research Intern , Wireless Fraud Prevention [06/2016 – 08/2016] Walmart Labs, Reston, Virginia Lecturer , Department of Computer Science & Engineering [11/2013 – 08/2015] Ahsanullah University of Science & Technology, Dhaka, Bangladesh Software Engineer , VoIP Solution in Android [02/2013 – 10/2013] REVE Systems, Dhaka, Bangladesh	
Selected Publications [Google Scholar]	Ding, Y.*, Wang, Z.*, Ahmad, W. U.* , Ding, H., Tan, M., Jain, N., Ramanathan, M. K., Nallapati, R., Bhatia, P., Roth, D., & Xiang, B. (2023). CrossCodeEval: A Diverse and Multilingual Benchmark for Cross-File Code Completion. In Proceedings of the NeuRIPS Track on Datasets and Benchmarks. Jain, N.*, Zhang, D.*, Ahmad, W. U.* , Wang, Z., Feng, N., & Others. (2023). ContraCLM: Contrastive Learning For Causal Language Model. In Proceedings of the 61st Annual Meeting of the ACL. Ahmad, W. U. , Bai, X., Lee, S., & Chang, K. W. (2021). Select, Extract, and Generate: Neural Keyphrase Generation with Layer-wise Coverage Attention. In Proceedings of the 59th Annual Conference of the ACL. Ahmad, W. U.* , Chakraborty, S.*, Ray, B., & Chang, K. W. (2021). Unified Pre-training for Program Understanding and Generation. In Proceedings of the 2021 Annual Conference of the NAACL-HLT. Ahmad, W. U. , Peng, N., & Chang, K. W. (2021). GATE: Graph Attention Transformer Encoder for Cross-lingual Relation and Event Extraction. In Proceedings of the 35th AAAI. Ahmad, W. U. , Chang, K. W., & Wang, H. (2019). Context Attentive Document Ranking and Query Suggestion. In Proceedings of the 42nd International ACM SIGIR, pages 385–394. Wasi Ahmad , Kai-Wei Chang, and Hongning Wang. <i>Multi-Task Learning for Document Ranking and Query Suggestion</i> . Proceedings of the 6th International Conference on Learning Representations (ICLR), 2018.	
Education	Ph.D. in Computer Science [2017 – 2021] University of California, Los Angeles CGPA: 3.78 on a scale of 4.00 Advisor: Dr. Kai-Wei Chang Master of Computer Science [2015 – 17] University of Virginia CGPA: 4.00 on a scale of 4.00 B.Sc. in Computer Science and Engineering [2008 – 13] Bangladesh University of Engineering and Technology CGPA: 3.81 on a scale of 4.00	
Professional Services	Senior Area Chair/Area Chair/Senior Program Committee/Program Committee/Reviewer 2024: ICLR, AAAI, ARR, LREC-COLING, NAACL 2023: AAAI, ICML, SIGIR, ACL, IJCAI, ICLR, ARR, EACL 2022: NeurIPS, EMNLP, ICML, SIGIR, IJCAI, KDD, ARR, LREC, AAAI, WSDM, ICLR 2021: NeurIPS, EMNLP, SIGIR, ACL-IJCNLP, NAACL, IJCAI, EACL, AAAI 2020: EMNLP, ICML, IJCAI, AAAI, LREC	