

EDUCATION	Simon Fraser University , Canada <i>Master of Science in Computer Science</i> GPA 4/4	Sep 2018 - Mar 2020
	University of Tehran , Iran <i>Bachelor of Science in Computer Engineering</i> GPA 17.5/20	Sep 2012 - Sep 2016
RESEARCH EXPERIENCES	NatLang Lab , Simon Fraser University <i>Graduate Research Assistant</i> - Worked on interpretability of attention mechanism in sequence-to-sequence models. - Did literature review on <i>under and over translation</i> problem in neural machine translation.	Sep 2018 - Now
	IIS Lab , University of Tehran <i>Undergraduate Research Assistant</i> - Worked on predicting user engagement in social media via multi-task learning.	2014 - 2015
PUBLICATIONS	- P. Moradi , N. Kambhatla, and A. Sarkar. <i>Confidential</i> . Submitted to ACL 2020. - P. Moradi , N. Kambhatla, and A. Sarkar. <i>Interrogating the Explanatory Power of Attention in Neural Machine Translation</i> . EMNLP 2019 Workshops(WNGT). - H. Zamani, P. Moradi , and A. Shakeri. <i>Adaptive User Engagement Evaluation via Multi-task Learning</i> . SIGIR 2015. - H. Zamani, A. Shakeri, P. Moradi . <i>Regression and Learning to Rank Aggregation for User Engagement Evaluation</i> . ACM RecSys Workshops 2014.	
WORK EXPERIENCES	Resid <i>Software Engineer</i> The first P2P mobile payment app in Iran - Designed APIs to provide a mobile wallet for P2P payments. - Migrated a on-production codebase and db schema to a new model with near-zero downtime. - Was responsible for handling tickets/bugs issued by the support team. - Became an interviewer for Software Engineer position.	Sep 2017 - Sep 2018
	Divar <i>Software Engineer</i> Biggest classified advertising service in Iran with more than 10M queries per day. - Extracted search core from a giant monolithic codebase and moved it to a new Dockerized Microservice-based environment and finally on Kubernetes. - Implemented semantic analysis microservices specialized for Persian language to extract semantic attributes from ads and search queries. Increased recall by 7%. - Analyzed 500M action logs via Spark to come up with solutions enhancing OKR metrics. - Implemented various microservices in a RabbitMQ-based environment to fetch ads, repopulate, index and query the Elasticsearch database. - Was responsible for code review, maintenance and DevOps of the search stack.	Mar 2016 - Sep 2017
	Taskulu <i>Software Engineer</i> Task management platform. - Designed and implemented various APIs for the Backbone.js frontend. - Wrote various unit and integration tests for APIs.	Sep 2013 - Sep 2014
PROJECTS	- Future Sales Prediction : Used collaborative filtering, XGBoost and CNNs to predict future sales of a market (2019). <i>scikit-learn, pandas</i> - An improved attention model for simultaneous machine translation (2018). <i>DyNet</i> - Attentive Image Colorization via attention-augmented cyclic GAN (2018). <i>Tensorflow</i> - A compiler (syntax & semantic analyzer and code generator) for a language (2015). <i>Java</i> - Linux Kernel Scheduler : a multi policy process scheduler for the Linux kernel (2015). <i>C</i>	
TECHNOLOGIES	- C++, Ruby, and Python (> 10K lines); Java(> 1K lines). - (Django; Ruby on Rails) - (Postgresql; Elasticsearch; Redis; RabbitMQ) - (Docker; Kubernetes) - (Scikit-Learn; PyTorch) - Git.	
TEACHING	- Design and Implementation of Compilers (2019) - Design and Analysis of Algorithms (2016) - Advanced Programming (2015, 2016) - Data Structures & Algorithms (2015, 2016)	
HONORS & AWARDS	- Was awarded Graduate Fellowship for my MSc (2018). - Honored Alumni of my BSc (2016). - Ranked 5th out of 36 teams in ACM RecSys Challenge (2014).	