KIAN AHRABIAN

McGill University ⋄ Montréal, Canada

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RESEARCH INTERESTS

Machine Learning
Software Engineering
Natural Language Processing

EDUCATION

McGill University   Jan 2019 - Present
M.Sc. in Computer Science   *Montréal, Canada*

Overall GPA: 3.8/4

University of Tehran   Sep 2014 - Sep 2018
B.Sc. in Computer Science   *Tehran, Iran*

Thesis: A Survey on Autoencoders with focus on Online Signature Verification
Overall GPA: 17.9/20

RESEARCH EXPERIENCE

Knowledge and Software Technology Research Group   Jan 2019 - Present
Research Assistant   *McGill University*

Working on the intersection of Machine Learning and Software Engineering with a current emphasis
on the Knowledge Graphs.

Online Signature Verification Project   Jan 2017 - Dec 2017
Research Assistant   *University of Tehran*

Mainly focused on developing a general-purpose framework for verification tasks with a specific focus
on Online Signature Verification by utilizing deep learning models.

Persian OCR Project   Sep 2016 - Jan 2017
Research Assistant   *University of Tehran*

Mainly focused on building a robust system for Persian OCR by utilizing deep learning models.

PUBLICATIONS

[1]   Kian Ahrabian and Bagher BabaAli. "Usage of autoencoders and Siamese networks for online
      handwritten signature verification". In: *Neural Computing and Applications* 31.12 (2019), pp. 9321–
      9334.

HONORS AND AWARDS

Recipient of Kharusi Family International Science Fellowship   Jan 2020
Ranked 7th in National Computer Science Master's Exam   May 2018
Recipient of University of Tehran Foundation Fellowship   Sep 2015 - Jul 2018
Ranked 13th, ACM ICPC Asia Tehran Regional Contest   Nov 2015
Ranked 12th, ACM ICPC Asia Tehran Regional Contest   Dec 2014

TEACHING EXPERIENCE

COMP 551: Applied Machine Learning   Winter 2020
Teaching Assistant   *McGill University*

COMP 251: Algorithms & Data Structures   Fall 2019
Teaching Assistant   *McGill University*

COMP 303: Software Design   Winter 2019
Teaching Assistant   *McGill University*

PROFESSIONAL EXPERIENCE

Salesforce   May 2019 - August 2019
Software Engineer Intern   *Fredericton, NB*

Worked in data science team on implementing state-of-the-art algorithms for tweet recommendation and topic modelling.

CafeBazaar   Feb 2018 - Dec 2018
Tech Lead   *Tehran, Iran*

Worked in user behavior, recommendation, and big data teams while being responsible for the technical growth of team members, projects quality, knowledge flow, building comprehensive solutions, and coordinating company-wide technical vision in collaboration with other tech leads.

CafeBazaar   Jun 2017 - Dec 2018
Data Engineer   *Tehran, Iran*

Worked in the data engineering team while being responsible for building solutions for collecting, storing, and analyzing data from clients and servers in collaboration with other teams.

CafeBazaar   Sep 2015 - Jun 2017
Software Engineer   *Tehran, Iran*

Worked in the developer panel team while being responsible for developing web applications in a full-stack manner, maintenance of the codebase, and maintenance and setup of the deployment environments.

VOLUNTEER EXPERIENCE

Computer Science Student Chapter   Sep 2016 - Jul 2018
Core Member   *University of Tehran*

SKILLS

Languages	English (Fluent), Persian (Native), French (Limited)
Programming Languages	Python, C/C++, Java, Scala, Golang, SQL
Libraries	PyTorch, Keras, Tensorflow, SciPy, Apache Spark, Django
Tools	Git, Docker, Kubernetes, Apache Hadoop, Apache Kafka, Nginx