

Education

Concordia University	Master of Applied Computer Science (MAsc)	Montreal, QC, Canada Expected May 2023
EMU	Electrical & Electronics Engineering (MSc) Thesis Topic: Image Super Resolution and Sparse representation via dual dictionary learning	Famagusta, TRNC 2014 - 2017
IKIU	Electrical & Electronics Engineering (BSc)	Qazvin, Iran 2008 - 2013

Selected Projects

Software design patterns Fall 2022	Github repository link
Java application for rental management system Topic: A piece of software for rental property management company Patterns: MVC, Factory, Singleton, Observer patterns combined with Java unit testing framework JUnit (And JavaFX) Language: Java	
Natural Language Processing Fall 2022	Github repository link
Sentiment analysis of sentences with featured grammar analyzing their sentiment bearing named entities Algorithm: Feature-based Earley's chart parser Language: Python library: nltk	
Machine Learning Summer 2022	Github repository link
Performance comparison of Random Forest regression algorithm in Java vs Python Data: House price median in Montreal area Libraries: Python sklearn, Java tribuo	
Elastic Search and Kubernetes Summer 2022	Github repository link
Distributed search engine implementation using Elasticsearch and Kubernetes Data: Reported crimes to the NYPD between 2006 and 2019	
Deep Learning Winter 2021	Github repository link
Time series generation using VAE-LSTM and its application in anomaly detection Language: Python Library: Keras	

Job Experiences

Software Engineer Semra Ltd	Image processing-based PE pipe corrosion detection <ul style="list-style-type: none"> Technical investigation to produce reports and documentations to senior management Contribute to the software development team to improve accuracy of the software 	Famagusta, TRNC Oct 2016 – Jun 2019 (2 yrs 8 mos)
C Developer IKIU	Embedded system implementation using C <ul style="list-style-type: none"> Wrote instructions received via USART serial connection Reduced memory usage by decreasing dependencies on global variables, stack, and the heap 	Qazvin, Iran Jul 2013– Sept 2014 (1 yr 2 mos)
Embedded Engineer Tak Flour Co	Distributed sensor network <ul style="list-style-type: none"> Deployed and installed sensor system in flour silos' site Wrote instructions to connect humidity sensors to master system via RS-485 using C 	Tehran, Iran Apr 2012– Jul 2013 (1 yr 3 mos)



Skills

Programming languages

Proficient: Java, Python, C, JavaScript, SQL, CSS, MATLAB Familiar: C++, RUST, PHP, HTML

Frameworks and DB programs

Proficient: Spring boot, JavaFX, JUnit, MongoDB,

Tools and libraries

Proficient: Git, Scikit-learn, NumPy, NLTK, Keras, Tribuo, Kubernetes, Kibana, Logstash, NodeJS, React

Report writing

Proficient: Microsoft Office | LaTeX

Certificates

Git going fast: One Hour Git Crash Course

Udemy
May 10, 2023

Data structure and algorithms: Deep dive using Java

Udemy
Jan 5, 2023

Ethical behavior and academic integrity

Concordia
Sept 6, 2022

Java database connection: JDBC and MySQL

Udemy
Jul 2, 2022

Real-world MySQL design and management 2022

Udemy
Jun 29, 2022

Full stack development, HTML, CSS, React, NodeJS

Udemy
May 13, 2022

Teaching Experiences

Logic Design

Teacher assistant

Concordia University, Montreal
Sept 2022 – Dec 2022

Linear Algebra

Private tutor

Montreal, QC, Canada
Sept 2020 – Jan 2021

Stochastic Processes

Private tutor

Montreal, QC, Canada
Jan 2021 – May 2021

Linear Algebra

Teacher assistant

EMU, Famagusta, TRNC
Oct 2015 – Sept 2016

Language Skills

English

Full professional proficiency

French

Elementary proficiency

Turkish

Professional working proficiency

Persian

Native