

CONTACT

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SKILLS

Signal Processing	3+ yrs
Image Processing	9+ yrs
Optimization	9+ yrs
Machine Learning	9+ yrs
Matlab	5+ yrs
Python	3+ yrs
C++	2+ yrs
Haskell	3+ yrs
C#	10+ yrs
Java	3+ yrs
Linux	10+ yrs
Web Development	15+ yrs
Teaching	15+ yrs

HABIB GHAFFARI-HADIGHEH

Research Scholar - Computer Science

EDUCATION

Ph. D. - Computer Science & Engineering 2019 - ongoing
McMaster Univeristy - Hamilton, ON (Canada)

Current Status: Working on my Thesis.

M. sc. - Computer Science 2010 - 2014
Universiti Teknologi Malaysia (UTM) Johor Bahru, Johor (Malaysia)

Passed with **3.71 GPA**. Application of AI on image forgery detection.

Bsc. - Applied Mathematics 2002 - 2007
Payamenour University - Tabriz, East Azerbaijan (Iran)

Passed with **3.3 GPA**. Major in optimization, my project was in parametric optimizationq.

WORK EXPERIENCE

Vice President of Technology 2018 - ongoing
Paya Pouyesh, Tabriz, East-Azerbaijan (Iran)

Leading multiple team of talented young programmers to implement different software systems..

Machine Learning Engineer 2019 - 2021
Voices.com, London, ON (Canada)

Working on different ML based architectures to design, develop and implement smart software systems based on human voices.

Team Leader 2014 - 2019
Elegance Studio Advertisement Agency, Tabriz, East-Azerbaijan (Iran)

TEAM LEADER AND SENIOR SOFTWARE DEVELOPER 2008 - 2010
POUYA ANDISHAN IT CO

Directing and working with a 7-member team to develop a group of web-based systems such as Eshop, Office Automation Systems, and Websites

IT MANAGER 2005 - 2008
Emrouz Advertisement Agency

Working with a 2-member team to develop a local official web site of 8th parliamentary elections of the Islamic Republic of Iran in Tabriz area for governor of Tabriz to publish the latest news of the election, introducing the candidates and showing the latest results of election in the Tabriz city.

ACHIEVEMENTS

TOFEL

98 out of 120 Band

A certificate issued by Educational Testing Service (ETS), to prove English language proficiency for non-native English language speakers.

Machine Learning

Certified on Coursera

Machine Learning by Stanford University on Coursera. Certificate earned on June 11, 2017

Website designer/manager

AZARBAIJAN SHAHID MADANI UNIVERSITY

2005 - 2006

Working and directing a 10-member team to develop a website for the 37th annual mathematic conference(AMC37), that helps applicants to register in the conference and send their documents and other information to the secretariat of the conference. Publishing the conference's latest news, events and photos are other futures of the project. This web site is developed bilingual (Farsi and English)

JR Software Developer

DANESH AFZAYE FARIVAREAN IT CO

2004 - 2005

Part-time working with a 5-member team to develop a web-based comprehensive statistical application that helps cooperation's offices country-wide to send their statistical information to the Ministry of Cooperatives of Iran.

PUBLICATIONS

BI-PARAMETRIC OPTIMAL PARTITION INVARIANCY SENSITIVITY ANALYSIS IN LINEAR OPTIMIZATION

Central European Journal of Operations Research (DOI: 10.1007/s10100-007-0054-7) Vol 16, number 2, 2008, Publisher: Springer

UGC Listed

Status: Accepted and Published

FEATURE BASE FUSION FOR SPLICING FORGERY DETECTION BASED ON NEURO FUZZY

48-HE ANNUAL IRANIAN MATHEMATICS CONFERENCE, HAMEDAN, IRAN, AUGUST 2017, arXiv:1701.08374

SCI - IF X.XXX

Status: Accepted and Published

PROJECTS

MY BACHELOR PROJECT

Tool: Matlab

2006

The project was about a kind of sensitivity analysis in linear programming. We supposed that the optimal partition of the linear problem is known and there are perturbation on the rim data. This project was based on the Chapter 19 of the book "Interior Point Methods for Linear Optimization, by Roos, C., Terlaky, T. and Vial, J.-Ph". I implemented all of the algorithms in this chapter and realized the differences between the traditional point of view which has been based on having a basic optimal solution.

WORKSHOPS & CONFERENCES

GNU Emacs - A Guided Tour of Emacs

Conducted by Life in Computing and Software (LiCS), McMaster University

Apr 2019

Introduction to Latex and its applications

Conducted by (International Student Center (ISC)-University Technology Malaysia (UTM)

May 2014

Introduction to Latex and its applications

Conducted by (International Student Center (ISC)-University Technology Malaysia (UTM)

May 2013