CONTACT

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MORTZA MOHANDES MOJARRAD

Research Scholar - Computer Science & Engineering

EDUCATION

MSc. - Economics
2020 - ongoing
TeIAS - Tehran, Iran

Current Status: Coursework completed with **96%**.

BSc - Electrical Engineering
2016 - 2020
Amirkabir University of Technology - Tehran, Iran

Passed with **85%**. Major project was "Predicting Hourly Electricity Prices in Iran Spot Market using LSTM neural network".

EXPERIENCE

Research assistant
ep 2021 - May 202
TeIAS - Tehran, Iran

A Macro research project modeling using MATLAB and supervised by Dr. Alireza Sepahsalari .

Teaching assistant
Jan 19 - Jun 19
Amirkabir University of Technology, Tehran, Iran

Graded assignments and gave feedback on how to code better C++ programs.

Teaching assistant
an 2022 - Jul 202
TeIAS - Tehran, Iran

Taught Dynare (a macroeconomics modeling software), assigned Homeworks and final project.

PROJECTS

Econometrics I Final Project
2020
Tool: Stata, Excel

Examined Real State deals in 1397 reported by Ministry of Roads & Urban Development. Found the marginal effect of area(m^2) on per meter price to be an inverted U shape, controlling for age and region of the property.

Financial Analysis Final Project
2021
Tool: Excel

Fundamental analysis of a publicly traded corporation with sensitivity analysis under different scenarios.

Instrumentation Final Project
2018
Tool: Python, Flask, Raspberry Pi

Controlled a robotic car through web and reported it's sensor values on a web-page .

SKILLS

Skill	Experience
Econometrics	2+ yrs
Dynamic Programming	2+ yrs
R	1+ yrs
Git	4+ yrs
SQL	1+ yrs
Latex	3+ yrs
Stata	2+ yrs
Python	2+ yrs
Julia	2+ yrs
MATLAB	4+ yrs
C++	3+ yrs
Linux	2+ yrs
Vim	2+ yrs

ACHIEVEMENTS

Iranian Nationwide University Entrance Exam

Ranked 300th among +220000 students in Iranian Nationwide University Entrance Exam

MSc Economics 2nd Rank

Ranked 2nd in Iran MSc Economics Universities Entrance exam among +10000 applicants

Macroeconomics II 1st Rank

19.9
A Course covering mostly Dynamic programming and modeling classic macro problems taught by Dr. Hosein Joshaghani at TeIAS.

Macroeconomics I 1st Rank

20
Fundamental Macroeconomics taught by Dr. Hosein Joshaghani at TeIAS.

Econometrics II Full grade

20
Applied Econometrics taught by Dr. Pejman Abedifar at TeIAS

Econometrics I Full grade

20
Econometrics taught by Dr. Layla Shiva at TeIAS

Introduction to Computational Intelligence

17
taught by Dr. Farazaneh Abdollahi at AUT

Advanced Programming

17.5
Advanced C++, QT and python taught by Dr. Amir Jahanshahi at AUT

Online Monitoring and Control of Greenhouse   2018
Tool: Web Development, Arduino Board, QT, LED, Temperature sensor, esp8266 WiFi module

A database for retrieving and storing sensor data online, An Arduino program to connect the web-page to the hardware, A web-page for user login, show any desired data(searchable through history) and switch the LED as an example for a device.

Basic Programming Final Project: Graphical Boardgame (Ludo)   2016
Tool: CPP

written only using C++