ALI DARIJANI

I am a half mathematician, half computer scientist who has the mathematical knowledge to understand the underlying work of an existing software tool and the programming skill to bend it to his will. And that is pretty much it.

CONTACT

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- 💼 Ali Darijani

SKILLS

Programming
C/C++, Python, *sh ●●●○○
LᴬTᴇX, MATLAB ●●●●○

Operating Systems
Unix-like, POSIX ●●●●○

Software & Tools
Visualisation ●●●●○
(e.g. OpenGL, matplotlib, gnuplot, Graphviz, MATLAB, ...)
Data handling/analysis ●●●○○
(e.g. numpy, scipy, pandas, MATLAB, ...)
Machine Learning ●●●●○
(e.g. TensorFlow, Keras, MATLAB, ...)
Image Processing ●●●○○
(e.g. OpenCV, ImageMagick, FFmpeg, MATLAB, ...)
Database ●●●○○
(e.g. SQL, BigQuery, ...)
Office ●●●○○

Mathematical Skills
Linear Algebra ●●●●●
Real Analysis ●●●●○
Differential Geometry ●●●○○
Modelling(odes/pdes) ●●●○○
Signal/Image Processing ●●●●○
Linear Inverse Theory ●●●●○
Probability/Statistics ●●●●○
Data Analysis ●●●○○
Non-linear Optimization ●●●○○
Machine/Deep Learning ●●●○○

Languages
English ●●●●●
German ●○○○○

CERTIFICATES

TOEFL, GRE, RWTH English Certificates
MATLAB, kaggle

⚙ WORK HISTORY

📅 2022
📍 DAP, Fraunhofer, Aachen, Germany   HIWI
R&D

📅 2019
📍 Graduate School AICES of the RWTH   HIWI
Aachen
SDEs, Monte Carlo, Fokker–Planck

📅 2019
📍 Graduate School AICES of the RWTH   HIWI
Aachen
Academic English Editor

📅 2016
📍 Kerman Gas Company, Kerman, Iran   Intern
R&D

📅 2015
📍 SAIPA Company, Tehran, Iran   Intern
R&D

🎓 EDUCATION

📅 2010 - 2016
📍 Sharif University of Technology, Tehran   Bachelor of Science

📅 2018 - 2022(expected)
📍 RWTH Aachen University, Aachen   Master of Science

ACHIEVEMENTS, HONOURS AND AWARDS

🏆 Full Scholarship given by Ontario Tech University

GENERAL SKILLS

googling   subliminal pattern recognition   touch typing
speed-reading

WHEEL CHART

Learning(Math and CS)
Training(calisthenics)
Socializing
Sleep