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

- ✉ ali.darijani.me@gmail.com
- ☎ +49 176 42743283
- 📍 Aachen, Germany
- 🏠 https://adarijani.github.io

- ○ @adarijani
- in Ali Darijani

SKILLS

Programming

C/C++, Python, *sh, Matlab® ●●●●○○
GNU Make, CMake ●●●●○○
LaTeX, TeX, troff, groff ●●●●○○
HTML, Markdown, YAML, AsciiDoc ●●●○○○

Operating Systems

Unix-like®, POSIX, Darwin, Arch Linux ●●●●○

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, scikit-learn, MATLAB®, …)

Image Processing ●●●●○
(e.g. OpenCV, ImageMagick, FFmpeg, MATLAB®, …)

Database ●●●○○
(e.g. SQL, BigQuery, …)

Versioing Systems ●●●○○
(e.g. Git, GitLab, GitHub, …)

General IT ●●●○○
(e.g. Microsoft Office, LibreOffice …)

Miscellaneous ●●●○○
(FEniCS, …)

Mathematical Skills

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

Languages

English ●●●●●
German ●○○○○

CERTIFICATES

TOEFL, GRE, RWTH English Certificates
C++(FAU Erlangen), MATLAB®, kaggle

⚙ WORK HISTORY

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

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

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

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

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

🎓 EDUCATION

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

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

ACHIEVEMENTS, HONOURS AND AWARDS

🏆 Full Scholarship given by Ontario Tech University

GENERAL SKILLS

Google-fu | subliminal pattern recognition | touch typing | speed-reading

WHEEL CHART