Darijani Ali

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"Simplicity is deceptively complicated."

Personal Profile

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.

Education

RWTH Aachen University   *Aachen, Germany*
MSc

Sharif University of Technology   *Tehran, Iran*
BSc

Work Experience

RWTH Aachen University(Digital Additive Production (DAP))   *Aachen, Germany*
Research Assistant   *235*
- to-do
- to-do
- to-do
- **Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, C++, Ubuntu Linux, Linux tools, Apt, Scripting, Git.
- **Soft Skills:** googling, speed reading, teamwork, time management, Communication, presentation skills.

Selected Courses Passed/Audited

Mathematical Methods of Signal and Image Processing   *RWTH Aachen*
Aachen, Germany

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Skills

Operating Systems	UNIX, Linux, POSIX, macOS
Compiled Languages	C, C++
Scripting Languages	Bash, Zsh, Python
Build Systems	GNU Make, CMake
Versioning Systems/Platforms	Git, GitHub, GitLab
Markup Languages	HTML, XML, Markdown, YAML, AsciiDoc
Static Site Generators	Jekyll
Numerical Libraries	NumPy, Pandas, SciPy, LAPACK, Eigen
Machine/Deep Learning Frameworls	scikit-learn, TensorFLow
Visualization Libraries/Packages	Matplotlib, Gnuplot, OpenGL, Graphviz
Soft Skills	googling, subliminal pattern recognition, speed reading

Languages

English   TOEFL 107, GRE General 321, Multiple RWTH Language Center Certificates, and ...

Achievements

Full Scholarship, Ontario Tech University Admission Process *Canada*

University Projects

Fast Iterative Solvers *Aachen, Germany*

RWTH Aachen University *Feb 2022 - Apr 2022*

- Project 1: Krylov Space Methods
- Study cross-sectional, longitudinal, and among various countries to find variations in trends and get the historical data to back up the change in the trend of our data.
- Specific case studies were traced back to trends seen in the UK and how they affected the GDP and IMR.
- **Technical Skills:** Linear Algebra, Numerical Linear Algebra, C++. LaTeX
- **Soft Skills:** googling, speed-reading, documentation , report writing

Interests

Sports badminton, jump rope

"The only way to learn mathematics is to do mathematics."
Paul Halmos