

Zahra Nasrollah

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Education

COLOGNE UNIVERSITY

PH.D STUDENT IN COMPUTATIONAL BIOLOG

📅 2017 📍 Germany

- Thesis : Learning the Topology of Latent Signaling Networks from High Dimensional Transcriptional Intervention Effects

INSTITUTE FOR ADVANCED STUDIES IN BASIC SCIENCES

MSC IN COMPUTER SCIENCE

📅 2010-2013 📍 Iran

- Thesis : Inclusion of Epigenetic Prior in Gene Regulatory Network Reconstruction using Bayesian Models

AZAD UNIVERSITY

BSC IN COMPUTER SOFTWARE ENGINEERING

📅 2004-2008 📍 Iran

Dissertation: Algorithm Unrolling in Deep Learning

UNIX/Linux/POSIX

At the level of:

Linux Professional Institute LPIC-1

C/C++/Python

GENERAL CONCEPTS

Object-Oriented Programming • Template Programming •

ADVANCED

High-Performance Computing • OpenMP • MPI • Concurrency • Multi-Threading •

Honors

SCHOLARSHIP

Ontario Tech University

Full Scholarship

Sharif University of Technology

Full Scholarship

Work Experience

SOFTWARE DEVELOPER

OPERAIZE GMBH

📅 since 2021 📍 Cologne, Germany

- Optimization for Production Planning, Reinforcement Learning

RESEARCH SCIENTIST

COLOGNE UNIVERSITY

📅 2017-2020 📍 Cologne, Germany

- Software development for a mathematical model to learn network structure

SOFTWARE DEVELOPER

RWTH AACHEN UNIVERSITY

📅 November 2018 – February 2019 📍 Aachen, Germany

- Continuum Mechanics, C++, English Technical Editor

SOFTWARE DEVELOPER

RWTH AACHEN UNIVERSITY

📅 April 2018 - November 2018 📍 Aachen, Germany

- SDEs, Monte Carlo, Fokker-Planck

Soft Skills

Google-fu, Subliminal Pattern

Recognition, Speed Reading, Time Management,

Recent Projects

COMPUTATIONAL GEOMETRY

RWTH AACHEN UNIVERSITY

📅 April 2022 – January 2023 📍 Aachen, Germany

- OpenGL, Computer Graphics, Differential Geometry