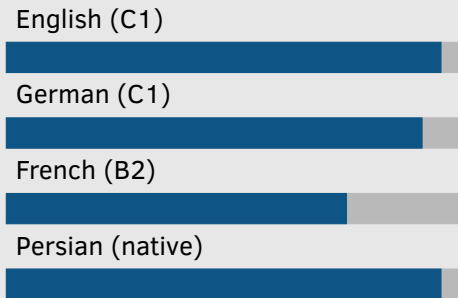# Meysam Goodarzi

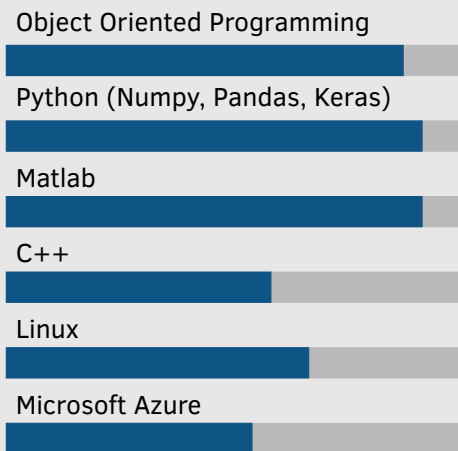## Quantitative Consultant

- xx xxxx xxxx
- xxx xx, xxxx Berlin, Germany
- +49176xxxx
- Linkedin
- xxxx@meysam-goodarzi.com
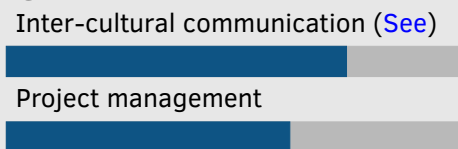
Language Skills

English (C1)

German (C1)

French (B2)

Persian (native)

Technical Skills

Object Oriented Programming

Python (Numpy, Pandas, Keras)

Matlab

C++

Linux

Microsoft Azure

Qualifications

Inter-cultural communication (See)

Project management

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Education

2018-2022	Humboldt University of Berlin *Ph.D. in Computer Science*	Berlin, Germany
2021-2022	University of Paris 1 Panthéon-Sorbonne *M.Sc. in Economics*	Paris, France
2014-2017	University of Erlangen-Nürnberg (FAU) *M.Sc. in Communications and Multimedia Engineering*	Erlangen, Germany

Experience

2023 — d-fine GmbH — Germany

Quantitave Consultant analysing insurance data using SQL & Python:
- Writing validation checks for catastrophe exposure data
- Data preparation for the risk management statistical tool
- IFRS 17 insurance data management
- Gitlab-based WebApp development
- Banking: Basel II, risk estimation/management

2017-2023 — IHP - Leibniz-Institut für Innovative Mikroelektronik — Germany

Researcher in European commission's horizon 2020 projects (5G-XHaul, 5G-PICTURE, and 5G-CLARITY) for developing the 5G:
- AI section responsible:
  - Coordination among culturally diverse partners to ensure work harmony and on-time delivery of results
  - Review, revision, and presentation of technical contents, i.e., DNN-based algorithms.
  - Cloud-based development and deployment of DNN-based Non-Line-of-Sight identification algorithm
  - CNN-based radio-map construction for localization
- Modeling and algorithm design using data analysis based on:
  - Probabilistic graphical models & inference algorithms
  - Machine learning (Deep Neural Networks)
- Data-driven location-predictive algorithm with the aid of Markov models & Bayesian decision-making

2021-2022 — School of Economics at Panthéon-Sorbonne — France

M.Sc. thesis student on the topic *Dynamics of Growth and Inequality in Economic Networks: the Impact of Policy Making* (See), Grade: $19/20$.
- Game theory, (non-) convex optimization, and policy analysis
- Inequality, growth, and network economics
- LSTM-based stock market analysis
- Randomized Control Trial (RCT)-based analysis of impact of teachers' inclusive behavior on students average grade

2015-2017 — Chair of Digital Communications at FAU — Germany

M.Sc. thesis student on the topic *Resource Allocation for a Distributed Antenna System* (See), Grade: $1.0/1.0$.
- (Non-) Convex matrix-valued optimization theory
- Optimal allocation policy
- Modeling and simulation using Matlab

Student-Assistant & Research Assistant
- Tutor for data/signal processing lab
- Development and documentation of Matlab simulation package in collaboration with Fraunhofer IIS (See)

Selected Publications

M. Goodarzi et al. DNN-assisted particle-based bayesian joint synchronization and localization. *IEEE Transactions on Communications*, 2022 [Impact Factor : 7.7](See)

See the full list in Google Scholar

Signature: *Meysam Goodarzi*   April 2, 2024