



Meysam Goodarzi

Researcher

22 September 1991

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Language Skills

English (C1)

German (C1)

French (B2)

Persian (native)

Technical Skills

Object Oriented Programming

Python (Numpy, Pandas, Keras)

Matlab

C++

Linux

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

Experience

- 2023 **d-fine GmbH** Germany
Consultant:
 - Analysis of insurance data (using DBeaver and Python):
 - Writing validation checks for catastrophe exposure data
 - Data preparation for the risk management statistical tool
 - Onboarding trainings:
 - Banking: Basel II, risk estimation/management
 - Gitlab-based project 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.
 - 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 prediction
- 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 [IF* : 7.1]([See](#))

M. Goodarzi et al. Synchronization in 5g networks: a hybrid bayesian approach toward clock offset/skew estimation and its impact on localization. *EURASIP Journal on Wireless Communications and Networking*, 2021(1):1–22, 2021 [IF* : 3.4]([See](#))

See the full list in [Google Scholar](#)

(*) : Impact Factor

Signature: *Meysam Goodarzi*

January 15, 2024