Meysam Goodarzi

Quantitative Consultant

xx xxxx 1991

xxxx str. xx, Berlin, Germany

+49 xxxx

Linkedin

analytica@meysam-goodarzi.com

Language Skills

English (C1)

German (C1)

French (B2)

Persian (native)

Technical Skills

Object Oriented Programming (OOP)

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

11.17-04.23 Humboldt University of Berlin — Berlin, Germany
Ph.D. in Computer Science

09.21-07.22 University of Paris 1 Panthéon-Sorbonne — Paris, France
M.Sc. in Economics

10.14-01.17 University of Erlangen-Nürnberg (FAU) — Erlangen, Germany
M.Sc. in Communications and Multimedia Engineering

Experience

11.23-present Freelance Quantitative Consultant — Berlin, Germany
Teaching Data Science topics at ReDI school of digital career:
- OOP-based data management using Pandas
- Probability theory and Bayesian statistical analysis
- Machine learning topics incl. linear/logistic regression

05.23-11.23 d-fine GmbH — Berlin, Germany
Quantitative Consultant analysing insurance data using SQL/Python:
- Writing validation checks for catastrophe exposure data
- Data preparation for the risk management statistical tool
- Gitlab-based WebApp development
- Banking: Basel II, risk estimation/management

08.17-04.23 IHP GmbH - Leibniz-Institut für Innovative Mikroelektronik — Frankfurt, 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
- Modeling and algorithm design using data analysis based on:
  - Probabilistic graphical models & inference algorithms
  - Deep learning, i.e., CNN-based radio-map construction for mobile user localization
- Data-driven location-predictive algorithm with the aid of Markov models & Bayesian decision-making

09.21-07.22 School of Economics at Panthéon-Sorbonne — Paris, 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 time-series analysis (of stock market data)
- Randomized Control Trial (RCT)-based analysis of impact of teachers' inclusive behavior on students average grade

01.15-07.17 Chair of Digital Communications at FAU — Erlangen, 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
- Matlab-based Optimal resource allocation policy

Student-Assistant & Research Assistant
- Tutor for data/signal processing lab
- Development and documentation of Matlab simulation package in collaboration with Fraunhoufer 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

Meysam Goodarzi May 4, 2024