

Sajed Zarinpour

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Education

2018 - 2020 **M.Sc. in Applied Mathematics**, Institute for Advanced Studies in Basic Sciences, Iran
Numerical Method for Solving PDEs with Uncertainty Using Neural-Network

- Implemented a new layer for padding inputs using tf
- Gained extensive knowledge on biophysical models
- Python ▪ Numpy ▪ Bash ▪ TensorFlow ▪ Keras ▪ Matplotlib ▪ Octave ▪ Latex

2012 - 2017 **B.Sc. in Applied Mathematics**, University of Guilan, Iran
Study on GMDH Algorithm for Stock Price ▪ MATLAB (Octave)

Experiences

2021 - 2023 **Compulsory Military Service at** Iranian Traffic Police, Tehran

2020 - 2021 **Database Analyst / Developer at** Tavana System, Zanjan
▪ Python ▪ Microsoft SQL server ▪ Slack

2010 - 2012 **Freelancer at** Freelancer, Bandar Anzali
▪ Python ▪ C++ ▪ Microsoft SQL Server ▪ VB.NET

Reaserch & Interests

- Mathematical Modeling
- Numerical Analysis
- Biological Systems & Oncology
- Deep Learning
- Finite Element Method
- Inverse Problems

Schools & Conferences

2020 **IASBS Student Presentations in English**
▪ On Solving Partial Differential Equations using Neural Networks
Institute for Advanced Studies in Basic Sciences

2021 **An Introduction to Variational Analysis (Summer School)**
Miami University, Urumia University of Technology

2020, 2021	One World IMAGINE seminars <i>Siam</i>
2020	Solving inverse problems with deep learning <i>UC Berkeley Applied Math Seminar</i>
2019	Introduction to Data Science in R <i>Institute for Advanced Studies in Basic Sciences</i>
2019	From Biophysical Modeling to Simulation Codes (Winter School) <i>Graz university, Isfahan University of Technology</i>

Skills

Computer Skills ■ Linux ■ Python ■ TensorFlow ■ Keras ■ Numpy ■ Pandas ■ MATLAB ■ NgSolve ■ git
■ Freefem++ ■ C++ ■ Julia ■ RDBMS

Soft Skills ■ Teamwork ■ Stress Management ■ Innovation

Languages

English - *Upper Intermediate*

Understanding: ■ Listening C1 ■ Reading B2

Speaking: ■ Spoken Interaction C1 ■ Spoken Production C1

Writing: ■ C1

According to [European language levels](#): Basic user (A1, A2) - Independent user (B1, B2) - Proficient user (C1, C2)

References

Available on Request