Sajed Zarinpour

Tehran, Tehran, Iran
Phone: +98-935-218-8208
Email: sajed.zarinpour@gmail.com
LinkedIn: https://www.linkedin.com/in/sajed-zarinpour

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

- Impelemented 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

2024 - Present **Senior Web Developer at** Islamic Azad University Electronic Campus, Tehran
▪ Laravel ▪ Moodle ▪ PHP ▪ MySQL ▪ Linux

2023 - 2024 **Web Developer at** Motegharen, Rasht
▪ Laravel ▪ Rest API

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
- Biological Systems & Oncology
- Finite Element Method
- Numerical Analysis
- Deep Learning
- 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

2024	**Population Dynamics**
	Jena University

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

2020, 2021	**One World IMAGINE seminars**
	Siam

2020	**Solving inverse problems with deep learning**
	UC Berkeley Applied Math Seminar

2019	**Introduction to Data Science in R**
	Institute for Advanced Studies in Basic Sciences

2019	**From Biophysical Modeling to Simulation Codes (Winter School)**
	Graz university, Isfahan University of Technology

Skills

Comupter 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