Sajed Zarinpour

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Education

2018-2020	**Institute for Advanced Studies in Basic Sciences, Iran** M.Sc. in Applied Mathematics Numerical Method for Solving PDEs with Uncertainty Using Neural-Network
2012 - 2017	**University of Guilan, Iran** B.Sc. in Applied Mathematics Study on GMDH Algorithm for Stock Price

Experiences

January 2021
October 2023

3rd Lieutenant (compulsory Military Service) ──────────────── Iranian Traffic Police , Tehran

December 2020
August 2021

Senior Backend Developer ──────────────── Tavana System , Zanjan

- Meticulously analyzing and designing solutions for intricate technical quandaries
- Effectively delegating tasks to my team
- Conducting regular meetings
- Extensive work with RDBMS such as MSSQL
- Resolved conflicts and negotiated agreements between parties in order to reach win-win solutions to disagreements and clarify misunderstandings

April 2017
May 2020

Web Developer ──────────────── ZarinSoft , Rasht

- Design strategies based on Agile methodology
- Foster the growth of member's skills through periodic learning/Q&A sessions
- Developed and maintained a couple of monolithic applications using PHP and Laravel Framework
- Conducted regular website updates and maintenance to ensure functionality and usability

June 2010
March 2017

Freelancer ──────────────── Freelancer , Bandar Anzali

Reaserch & Interests

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

Schools & Conferences

Attendant

January 2019	**From Biophysical Modeling to Simulation Codes (Winter School)**	
	Graz university, Isfahan university of technology	
March 2019	**Introduction to Data Science in R**	
	Institute for Advanced Studies in Basic Sciences	
2020	**Solving inverse problems with deep learning**	
	UC Berkeley Applied Math Seminar	
2020, 2021	**One World IMAGINE seminars**	
	siam	
2021	**An Introduction to Variational Analysis (Summer School)**	
	Miami University, Urumia university of technology	

Presenter

2020	**IASBS Student Presentations in English**
	Institute for Advanced Studies in Basic Sciences

Skills

Languages
Persian - **Native**
French - **Beginner**
English
According to European language levels: Basic user (A1, A2) - Independent user (B1, B2) - Proficient user (C1, C2)
Understanding

- Listening - **C1**
- Reading - **B2**

Speaking

- Spoken Interaction - **C1**
- Spoken Production - **C1**

Writing - **C1**

Computer Skills

Scientific Programming Languages	C++	Python	MATLAB	Julia
Scientific Libraries	Keras	TensorFlow	Numpy	Pandas
Professional Softwares and Utilities	FreeFem++	FEniCS	Linux	git
Web Developing	Nodejs	RDBMS	Laravel	

References

Available on Request