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

- Innovated solutions for intricate technical quandaries for 8 modules
- Achieved effective task delegation to my team of 4
- Conducted regular meetings
- Mastered RDBMS such as MSSQL through extensive work
- Resolved complex disputes by actively listening and facilitating open dialogue, resulting in mutually beneficial agreements that improved team dynamics and productivity by 30%
- Upgraded the reporting system using Stimulsoft to improve the quality of reports

**April 2017
May 2020**

Web Developer ———————————————————————— ZarinSoft , Rasht

- Contributed to the developer community in Stackoverflow to reach the top 30% users by 1204 overall reputation
- Designed strategies based on Agile methodology
- Fostered the growth of members' skills through periodic learning/Q&A sessions
- Developed and maintained a couple of monolithic applications using PHP and Laravel Framework
- Launched Bazarati startup using LAMP stack and Laravel Framework
- Conducted regular website updates and maintenance to ensure functionality and usability

**June 2010
March 2017**

Freelancer ——————————————————————————— Freelancer , Bandar Anzali

- Produced Mahsa integrated library system via VB.NET and MSSQL for a private library that housed nearly three thousand books, increasing their efficiency by 10%
- Innovated a new definition of graphs to solve the classical NP-hard problem of number partitioning implemented in C++

- Coded a mini CSS and JS framework called My-Zebra that sped up my web production by 25%
- Implemented a mathematical expression runtime using C++ to showcase a profound numerical solver to my professors

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 - **Intermediate**
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**

Comuter Skills

- C++ · Python · MATLAB · Julia · Keras · TensorFlow · Numpy · Pandas · Freefem++ · NgSolve · Linux · git · Nodejs · RDBMS · Laravel

References

Available on Request