



Amir Golparvar

Date of birth: 27/01/1990

Nationality: Iranian

Gender: Male

CONTACT



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[http://
amirgolp.pythonanywhere.com/
index.html](http://amirgolp.pythonanywhere.com/index.html)

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www.linkedin.com/in/amir-
golparvar/](https://www.linkedin.com/in/amir-golparvar/)

SKILLS

NodeJS ReactJS

Typescript Redux

MongoDB GraphQL

PostgreSQL

CI / CD Express

C++ Python

Shell Script (Bash)

Github for Versioning

WORK EXPERIENCE

01/2021 – CURRENT – Germany

Backend Developer

- Developed a smooth RESTful API for managing bootcamp websites
- Managed on a Github repository and deployed to Digital Ocean Droplet
- JWT/Cookie based authentication
- Secured by means of encrypting passwords and reset tokens, preventing NoSQL injections, adding headers for security (helmet)
- Documented using Postman
- Check it live [here](#)

01/2021 – CURRENT

Frontend Developer

- Implemented websites and landing pages in both class-based and component-based architecture within NodeJS, ReactJS
- Check them live [here](#)

01/11/2018 – CURRENT – Leipzig, Germany

Sceintific Researcher

Helmholtz Zentrum für Umweltforschung

Developing a C++-based numerical toolbox for modelling microbial growth an dynamics in soil at pore-scale level.

15/01/2017 – 30/10/2018 – Aberdeen, United Kingdom

(Selected) Graduate Teaching Assistant

University of Aberdeen

Reservoir Simulation (Postgraduate), Engineering Mathematics (Undergraduate), Fluid Mechanics and Thermodynamics (Undergraduate), Computational Fluid Dynamics (Postgraduate)

Shiraz, Iran

Graduate teaching assistant

Shiraz University

Graduate Assistant, Software Workshop

01/01/2013 – 01/01/2015 – Shiraz, Iran

Reservoir (Simulation) Engineer

Shiraz University

Feasibility Study of Underground Gas Storage (UGS) Project in one the Iranian Depleted Reservoirs

EDUCATION AND TRAINING

14/07/2021 – CURRENT – Hannover, Germany

PhD (Geoscience, Microbiology)

Leibniz Universität Hannover

16/01/2016 – 01/11/2018 – King's College, Aberdeen, United Kingdom

Research Fellow (Petroleum Engineering)

University of Aberdeen

01/12/2012 – 01/03/2015 – Shiraz, Iran

Master of Science (Petroleum Reservoir Engineering)

Shiraz University

01/09/2008 – 01/05/2012 – Ahwaz, Iran

Bachelor of Science (Petroleum Engineering)

Petroleum University of technology

LANGUAGE SKILLS

MOTHER TONGUE(S): Persian

OTHER LANGUAGE(S):

English

Listening C1	Reading C1	Spoken production C1	Spoken interaction C1	Writing C1
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German

Listening A2	Reading A2	Spoken production A1	Spoken interaction A1	Writing A1
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PUBLICATIONS

Pore-scale modeling of microbial activity: What we have and what we need.

2021 <https://access.onlinelibrary.wiley.com/doi/full/10.1002/vzj2.20087>

A comprehensive review of pore scale modeling methodologies for multiphase flow in porous media

2019 <https://www.yandy-ager.com/index.php/ager/article/view/71>

A support vector machine analysis to predict density of mixtures of methanol and six ionic liquids

2018 <https://link.springer.com/article/10.1007/s00706-018-2297-5>

A Critical Review of Improved Oil Recovery by Electromagnetic Heating.

2014 <https://www.tandfonline.com/doi/abs/10.1080/10916466.2011.592896>

CONFERENCES AND SEMINARS

04/05/2020 – 08/05/2020 > – Talk (EGU 2020)

A Pore-Scale Reactive Transport Model Approach for Investigating the Effect of Soil Physical Properties on Biogeochemical Processes

14/12/2020 – 17/12/2020 > – Talk (CMWR 2020)

High-Resolution Modeling of Microbial Degradation in Unsaturated Porous Media

01/02/2021 – 02/02/2021 > – Talk (Interpore German Chapter)

Direct numerical modeling of microbially-mediated degradation in soil under unsaturated conditions