

# Afshin Heidari Monfared

Web Developer

Web developer and Simulation engineer of metallurgical processes



afshin.heidarimonfared@gmail.com

+4571326400

Denmark

linkedin.com/in/afshin-heidari-monfared-3b2006121

github.com/Afshinrommel

## EDUCATION

### Fullstack Web Development Hack Your Future / Copenhagen

11/2018 – 08/2019

Copenhagen / Denmark

Courses

- JS, React, Knex.js, Express.js, MySQL, HTML, CSS, Node.js

### Welding Metallurgy

#### Belarusian National Technical University / Minsk

07/2007 – 07/2012

Minsk, Belarus

Courses

- PhD / Deformation reduction of thin plates in the welding process by forced cooling of the high-temperature regions

### Extractive Metallurgy

#### Iran University Science and Technology / Tehran

10/2002 – 02/2005

Tehran, Iran

Courses

- Master / Phase field simulation of solidification

## PERSONAL PROJECTS

### Build website using node js and react (11/2018 – 08/2019)

- Implement role based access control in node.js

### Mathematical Simulation (05/2015 – 09/2015)

- Numerical simulation of tension and Charpy impact test using LS DYNA software

### Mathematical Simulation (01/2013 – 05/2014)

- Numerical modeling of welded joints using SYSWELD for prediction of deformation

### Mathematical Simulation (03/2010 – 04/2012)

- Application of Thermo-Calc & DICTRA interface (TQ) for calculation of phase diagrams using Fortran source codes

## SKILLS

Build Web application using React, Node.js

Simulation of metallurgical processes

Phase field simulation solidification

Simulation of fluid flow

Independent Problem Solving

## CERTIFICATES

Fullstack Web-Development from Hack your future  
(11/2018 – 08/2019)

## LANGUAGES

Persian

Native or Bilingual Proficiency

English

Professional Working Proficiency

Russian

Professional Working Proficiency

## INTERESTS

Creating website using React and Node.js.

Simulation of metallurgical processes with adequate software.

Independent jobs for example mechanical or technical fields, like math or computer programming.

## WORK EXPERIENCE

### Senior of Research and Development and Quality Control

#### AMA Industrial Company

06/2009 – 04/2016

Tehran

##### Achievements / Tasks

- Quality control of flux cored electrodes and agglomerated powders in submerged arc welding processes.
- Customer consultation about selection of appropriate electrodes for welding of steels.
- Numerical simulation of welding and heat treatment.

Contact: Esmail Rahimi – (+98) - (21) – 4498 3935 - 44

### Process engineer of High Carbon Ferro-chrome

#### Negar Andish consulting engineer

06/2008 – 06/2009

Joghatai

##### Achievements / Tasks

- Supervision in operation of High Carbon Ferro-chrome.
- Development Fortran source code for thickness calculation of carbon refractory in the bottom side of electrical arc furnace.
- Preparation procedures of Carbon paste baking.

Contact: Mohammad Amoei – (+98) - (21) - 88511455