



Khmais Mrad

React Developer

Profile

I'm Khmais, a Tunisian based in Halle (Saale), Germany. A self-taught front-end developer switching careers from Electrical Engineering to Web Development. A fresh graduate from HS Anhalt. Currently, I'm enrolled in a workshop where self-taught React developers gather online and practice what they learned, this workshop is coordinated by ReDi school in Berlin.

Employment History

Product Manager at ServicomIT, Tunis

July 2018 — October 2019

- Plan projects including milestones, timeline, cost, and resource estimation
- Conduct User Experience Testing and SW validation
- Develop project status reports and milestones trend analysis
- Coordinate with all involved teams in the product life-cycle

Electrical Engineer at IPSUM SYSTEMS, Tunis

February 2018 — June 2018

- Find potential customers.
- Install smart meters.
- Preparation of a descriptive catalog of the smart meters.

Education

Photovoltaics Engineering Science (M. Sc.), Hochschule Anhalt (FH), Hochschule für angewandte Wissenschaften, Köthen

October 2018 — September 2021

Major fields of study:

- Physics of the Solar Cell
- Crystalline and Thin Film Solar Cells
- Solar Modules and Components
- System Design, Monitoring, Yield and Performance Analysis
- Solar Cell and System Reliability
- Storage Systems, Electric Grids and Solar Energy Integration

Engineering degree, Ecole Nationale d'Ingénieurs de Tunis, Tunis

September 2013 — June 2016

Major fields of study: Electrotechnical engineering, Power systems, Renewable energy

Classes préparatoires aux grandes écoles, IPEIN - Institut Préparatoire aux Études d'Ingénieur de Nabeul, Nabeul

September 2011 — July 2013

Major fields of study: Math-Physics

Details

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Links

[LinkedIn](#)

[GitHub](#)

[My portfolio](#)

Skills

HTML & CSS

JavaScript

React

Git

Redux

Node.js

Express.js

MongoDB

Python

Matplotlib

Numpy

Pandas

Scikit learn

Microsoft Office

Arduino

PVsyst

Photovoltaics

Renewable Energy

Mac OS

Linux OS

Languages

English

French

Arabic

German

Courses

Front-end projects, ReDi school, Berlin

September 2021 — December 2021

Modern React with Redux, Udemy

Data Analyst Nanodegree, Udacity

Python for Data Science and Machine Learning Bootcamp, Udemy

Hobbies

Swimming, Traveling,
Handball, Music

Internships

**Student Assistant at Fraunhofer-Center für Silizium-Photovoltaik
CSP, Halle (Saale)**

April 2020 — December 2020

Master thesis:

- PID tests of different PV modules types (technology, number of cells, backsheet, etc.)
- Comparison of PID tests indoor and outdoor.
- Using different test equipment such as climate chamber, sun simulator and EL-camera.
- Analysis of experimental data and estimation of the measurement uncertainty.

Intern at Société Tunisienne de l'Electricité et du Gaz (STEG), Tunis

January 2016 — July 2021

Graduation project: N-1 Contingency Analysis of Tunisian electric grid using PowerWorld Simulator

Intern at Air Liquide, Tunis

July 2015 — August 2015

Power consumption audit of Air Liquide - Borj Cedria factory

Intern at L'accumulateur Tunisien Assad Internship, Nabeul

June 2014 — July 2014

Failure Mode and Effects Analysis (FMEA)