


Meqdad A. Darweesh


Back-end Developer, STEM Robotics Engineer

 Deir Abu Meshal, Ramallah,
Palestine

 Meqdad Darweesh

 00970594958003

 <https://meqdad.me>

 meqdad@purpose.ps
i@meqdad.me

Highly skilled Computer Systems Engineer, with expertise in robotics, programming and networks, through working with well-known technology firms in Palestine.

Now, I'm working as a back-end developer at Purpose Technologies. Also, I'm working as STEM robotics engineer at Purpose for Smart Education.

Always trying to develop my interpersonal skills. In my free time, I'm reading, working on my side projects, and blogging.



Work History

2020-05 - Current

Back-end Developer

Purpose Technologies, Ramallah, Palestine

Working on some products for the company, using different technologies.

- Django, Flask Framework
- Node JS
- Implementing Machine Learning techniques

2019-03 - Current

STEM Robotics Team Leader

Purpose for Smart Education, Ramallah, Palestine

Working with teachers and students of schools and universities. I'm tutoring in different courses.

In Robotics, I'm working with Robotics Lovers on:

Fischertechnik, micro:bit, Arduino, Raspberry Pi, NVIDIA® Jetson, Robo Wunderkind, Thymio, Maker, Edison, Photon, LEGO®.

Coding Courses:

- Web Development in Python
- AI using Python
- Python Intermediate

Robotics Courses:

- Python Robotics
- AI in Robotics
- Robotics for Beginners

2019-03 - 2020-06

Product & Account Manager

SETS - Smart Evolution Technology & Solutions, Ramallah, Palestine

- Provide installation, training and support for **SmartClass+ & Let's Talk!** from Robotel Inc.

2018-09 - 2018-12

Front End Developer

JWAR For Marketing & Development, Ramallah, Palestine

Designed and developed the reporting system in the startup company using ReactJS framework.

2016-10 - 2018-05

Founder & CEO

PPU Electronics Store, Hebron, Palestine

During my university, I've created an Online store aiming to help Palestinian students to get the electronic equipment and tools (e.g. Microcontrollers, Sensors, Actuators ...etc) needed for their projects.

2016-06 - 2016-08

Associate Networks Systems Engineer

Badawi Information Systems - BIS, Ramallah, Palestine

During Practical Training course in Palestine Polytechnic University, I have worked at Badawi Information Systems in Ramallah as Associate Network Systems Engineer for 3 Months. I worked in the servers department; servers installation, virtualization and storage units.

2012-02 - 2018-05



Education

Bachelor of Engineering: Computer Systems Engineering

Palestine Polytechnic University (PPU) - Hebron

- Coursework in OOP, Digital design, Android and Machine Learning.
- Member of IEEE - PPU Student branch.
- Member of Hebron Tech Meetups.
- Graduated with very good grade.
- Organizing and participating in a lot of workshops about Creativity and Entrepreneurship.



Skills

- Self-learning
- STEM Education
- Time Management
- R&D
- Embedded Systems
- Machine Learning
- Technical Support



Software & Hardware

- Linux
- MS Office, LibreOffice
- FPGAs
- PyCharm, VS Code, Anaconda
- PostgreSQL, MySQL, MongoDB, Firebase
- LaTeX
- Version Control Systems (GitHub, Bitbucket)



Programming Languages

- Python (Pandas, NumPy, Scikit-learn, Matplotlib, OpenCV, TensorFlow, Django, Flask, Web Scraping)
- JavaScript (Node JS, React JS)
- Java
- C++
- C#



Projects

- **Reporting System:**

During my work as Front End Developer at Jwar for Marketing and Development; I worked on the reporting system the receives the logs from the server through the API. I used React JS.
- **Homy - Smart Home System:**

Homy is a Smart Home System, an Android App (Homy) is used to control some of home (prototype) components via Bluetooth connection between the Android device and Bluetooth module HC-05 with Arduino microcontroller.
- **16 bit ALU on FPGA:**

As a requirement of Digital Systems Design course, we built a "Arithmetic and Logic Unit" - ALU with 16 bit. In this project, we used Verilog HDL to program the unit on Quartus software, and we run the code on a field-programmable gate array (FPGA) manufactured by Altera Corporation. The unit performs multiple operations like addition, subtraction, multiplication, division, shifting, comparing and logical operations.
- **Marine Battle Game - OOP Project By Java:**

Marine Battle Game is a two-player game. Designed and developed in the coursework project in OOP.



Languages

● Arabic

● English

● Hebrew

●●●●●
Native

●●●●●
Superior

●●●●●
Novice



Interests

● Reading Books

● Blogging

● Technology News