HICHAM DACHIR

Software/Hardware Developer

- @ hicham.dachir@univ-usto.dz
- **+213540023880**

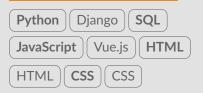
ABOUT ME

Algiers, Algeria

- in hicham-dachir
- hichamdz38
- ₩ HichamDz38

1287312

STRENGTHS



been a Software/Hardware developer is not a common position, because, i create this with my career path, by having professional experience in both hardware design, and Software Engineering, and knowledge in Cryptography and Security to be able to build hybrid systems(like IOT).

PCB design

Altium designer

Cryptography

Security

EXPERIENCE

Full Stack developer | Pzaz.tv



Mars 2022 - Oct 2022

United Kingdom

BlockChain IoT 5G

INTERESSTS

- Web3 ΑI
- pzaz.tv is a streaming platform, used to watch TV channels movies and videos
- fixed issues reported by users/QA team
- enhanced the layout based on Figma designs provided by our designers
- update the backed based on the new UI journey
- changed the layout based on Figma designs Python, Django, JavaScript, Vuejs, PostgreSQL, Docker

ACTIVITIES

making hardware products participate in competitive programming contests reading technical books

Software Engineer | Hugintech

Hamilton Jun 2021 - Nov 2021

- Norway
- was working on a project called Farmforce it's an agronomy ERP
- fixed issues on an existing web project used by 700k users
- participated in the upgrading of the project from python2 to python3 Python, Django, PostgreSQL, AWS, Linux

CERTIFICATES

Al Programming with Python

EF Standard English Test C1

Python 3 Problem solving top 1%

Embedded System Engineer | Elit

Dec 2018 - May 2021

- Algeria
- Created a real time Combinatory logic tool: Python, PHP, MySQL, Redis, Linux
- Implemented the industrial protocol IEC 60870-5-101 for a SCADA system (in the electrical network): C++, MySQL, Redis, Linux
- design PCB boards to communicate with SCADA system over IEC 60870-5 protocols : Altium designer, Eagle, Proteus

IoT Developer | consultant

- **May 2017 Dec 2018**
- Developed a raspberry-pi based tool that control the data-usage: Python, PHP, MySQL, Bash. Linux
- Realized and deployed a multi-user platform to control IOT objects: Python, PHP, MySQL, Bash
- Designed a TCP server that gets data from devices and store in DB, and also command the devices: Python, socket, multi-Threading
- Designed Esp8266 based products to communicate with an IOT platform: Altium designer, Autocad, PCB design

EDUCATION

Phd Student in Robotics | USTO

Nov 2016 - Jul 2017

Oran, Algeria

• researches in robotics

M.E Cryptography and Data Security | USTO

Sep 2014 - Jun 2016

- Oran, Algeria
- final project: implement Elliptic Curve Cryptography in Smart card

B.E Electronics | Ibn Khaldoun

Sep 2011 - Jun 2014

- Tiaret, Algeria
- final project: control the speed of DC motor