

Gana Walid Abdessamed

Electronics Engineer

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Touggourt, Algeria

EDUCATION

Master's Degree in Embedded Systems Electronics

Kasdi Merbah University, Ouargla
(2022 - 2024)

Bachelor's Degree in Electronics

Kasdi Merbah University, Ouargla
(2021 - 2022)

High School Diploma

(Baccalaureate)
(2018 - 2019)

SKILLS

- Time management
- Fast and accurate typing
- Microsoft Office Suite
- Team work
- Communication Skills
- Flexibility and adaptability
- Punctuality and time commitment

LANGUAGE

- Arabic : Native
- English : Good
- French : Good

PROFILE

Hardworking, highly motivated professional eager to lend combined knowledge and skills to enhance business performance. Operates well in both individual and team capacities, leveraging seasoned work ethic to quickly adapt to different processes and drive company objectives.

WORK EXPERIENCE

Graduation Project (Master's)

2023 - 2024

Study and Simulation of a Power Line Communication (PLC) System

Focused on designing and simulating a modern system for transmitting data from electric meters. Conducted a comparative study of traditional and electronic energy measurement devices. Explored Power Line Communication (PLC) technology and implemented a simulation using signal filters and the ST7540 transceiver chip to enable communication between electric meters and a central server.

Intern - Electronics Department

(17-03-2024) - (27-03-2024)

Sonelgaz - [Touggourt], Algeria

- Participated in the maintenance and testing of electronic systems used in power distribution.
- Assisted in diagnosing and troubleshooting electronic control units.
- Gained hands-on experience with industrial electronic equipment and safety protocols.

Graduation Project (Bachelor's)

2020 - 2021

Laser Alarm Security System

Designed and implemented a security system utilizing a laser beam and a light-dependent resistor (LDR) to detect unauthorized intrusions. The system triggers an alarm (buzzer or LED) via Arduino when the laser beam is interrupted, indicating potential breach. Provides a simple, low-cost, and effective solution for securing entry points such as doors and windows.