

DINA HAMED MOHAMED

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PROFESSIONAL EXPERIENCE

As a **Certified tester** in **ISTQB FL V4** and **fresh graduate** in **Electronics and Electrical Engineering**, I am seeking a position in software testing where I can leverage my knowledge of software quality assurance and testing methodologies. I am eager to contribute to the validation and optimization of innovative technologies through rigorous testing processes and defect tracking. My goal is to ensure high-quality software delivery by applying my analytical skills, attention to detail, and commitment to continuous learning in the software testing field.

EDUCATION

FACULTY OF ENGINEERING, CAIRO UNIVERSITY (2019-2024)

- Communication and electronics department

Accumulative grade: Very Good - **GPA:** 3.14

PROJECTS/COURSES

ISTQB Foundation Level (FL) v4 course - Software Testing - Nezam Academy (Tarek Roshdy)

July 2024 – October 2024

- Introduction to **software testing principles** and the importance of quality assurance.
- Understanding of the **test process**, including planning, execution, and reporting.
- Familiarity with **test levels** (unit, integration, system, acceptance) and **test types** (functional, non-functional, regression).
- Training on **black-box** and **white-box** testing techniques.
- Exposure to **test management tools** and frameworks for **test automation**.
- Basic knowledge of defect tracking systems like **Jira** and version control tools like **Git**.

Full Testing Diploma - Edges Academy

October 2024 – present

- **Introduction to Testing:** Overview of target audiences, benefits of testing, ISTQB introduction, and the Egyptian market.
- **ISTQB Foundation Level:** Fundamentals of testing, SDLC, static testing, test analysis and design, test management, test tools. Includes +150 questions and assignments, with 4 mock tests.
- **ISTQB Agile Tester:** Agile principles, methods, tools, and practices, with practical experience using Jira, +50 questions, and 2 mock tests.
- **Debugging Techniques:** Debugging methods, embedded debugging tools, and hands-on examples.
- **General Testing Techniques:** Techniques like pairwise and MC/DC, test case writing, ASPICE basics, and industry roles.
- **Embedded Software Testing:** Unit, integration, and validation testing with CUnit, and automation frameworks.
- **Web Development Testing:** HTML/CSS/JavaScript fundamentals, automated end-to-end testing using Selenium, API testing with Postman.
- **SQL Database Testing:** MySQL basics, CRUD operations, and SQL testing using JavaScript and Mocha.

- **Projects:** Practical projects applying learned skills across multiple testing environments.

Graduation Project: Secured V2x Enabled Automatic Parking – Valeo Mentorship Program – GRADE: EXCELLENT
September 2023 – July 2024

- Developed a system to address parking inefficiencies through V2I communication, enabling real-time data sharing, automatic parking with IMU/GPS fusion, EKF, and advanced control algorithms, and secured communication using AES and RSA encryption.
- Implemented and validated the system on STM32 microcontrollers and Raspberry Pi using MQTT, tested in Carla simulation and with a small Ackermann car.

CERTIFICATES

- **ISTQB Foundation Level (FL) v4 Certification** **Date: 9 November 2024**
Certification Code: 241023013
- **Full Embedded Systems Diploma** (14 weeks) **Date: October 2022**
- **ARM Architecture Course and AUTOSAR Software Design Course** (8 weeks) **Date: March 2023**
- **Layout Design Internship – Si-Vision Company** **Date: September 2023**

INTERNSHIPS

IC Layout Design Intern – Si-Vision

August 2023 – September 2023

- Participated in IC layout design processes, gaining a basic understanding of IC manufacturing and design techniques.
- Worked alongside experienced engineers, ensuring compliance with design specifications and quality standards.

KEY SKILLS

- ✓ Proficient in C/C++ programming languages
- ✓ Experience with microcontrollers such as ARM Cortex-M series
- ✓ Knowledge of embedded systems design and development
- ✓ Familiarity with communication protocols such as UART, SPI, I2C, CAN and Ethernet
- ✓ Foundational Knowledge of Software Testing Principles, Testing Techniques and Tools
- ✓ Strong knowledge and hands-on experience in automotive cyber security
- ✓ Attention to details.
- ✓ Quick learner
- ✓ Strong problem-solving skills

LANGUAGES

- Arabic - Mother Tongue
- English - Fluent
- French - Good

PERSONAL INFORMATION

- Date of birth: 24, march 2001.
- Gender: Female.
- Nationality: Egyptian.