

Fady RaouF

Embedded Software Developer

Highly motivated and independent graduate with expertise in embedded systems. Strong background in designing and developing specialized computer systems. Confident in taking charge and leading others, excelling in diverse tasks. Adaptable and ready to tackle challenges head-on. Seeking opportunities in automotive or research and development industries to apply technical expertise and drive for success.

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EDUCATION

Bachelor of Engineering in Computer and Systems

ZAGAZIG UNIVERSITY

09/2018 - 07/2023

EXPERIENCE

Team Leader

graduation project

11/2022 - 07/2023

Achievements/Tasks

- Defining roles for each member in my team instead of defining deadline for each task.
- Collaborated with team members, including designers and developers, to ensure successful project delivery.
- Integrate members tasks to match the target.
- Worked independently to manage my workload and meet project deadlines.
- Conducted code reviews and implemented best practices to ensure the quality and maintainability of code.

SKILLS

embedded c | MCU interfacing | RTOS

Expertise in Arm Cortex-M4 architecture

Designing and Coding ES with MISRA Compliance

Proficient in backend and database management.

PROJECTS

Payment application (EGFWD) (09/2022 - 10/2022)

- Development environment preparation .
- Implement the card , terminal ,server and application module .
- Testing the application .

On demand traffic lights (EGFWD) (10/2022 - 11/2022)

- System Design.
- Prepare development environment.
- Implement application.
- Test application.

Controlling led light (EGFWD) (01/2023 - 02/2023)

- Read project requirements.
- Prepare project folders.
- Implement the GPIO , Timer and interrupt driver.
- Test application.

Implement EDF Scheduler (EGFWD) (02/2023 - 03/2023)

- Read a thesis "Implementation and Test of EDF and LLREFSchedulers in FreeRTOS" and implement the mentioned changes.
- Implement the missing changes from the thesis.
- Implement 4 tasks using EDF scheduler.
- verifying the system implementation.

Automotive door control system design (02/2023 - 03/2023)

- Provide Fully Static Design.
- Provide Fully Dynamic design.

CERTIFICATES

fully diplomat in embedded system professional & advanced (09/2022 - 03/2023)

C and interfacing to MCU atmega 32 , free RTOS , Arm cortex m4 interfacing & architecture , embedded software Design and safe code with misra