

FARES ABASSI



ELECTRICAL ENGINEERING STUDENT

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PROFILE

Engineering-driven and business-minded **Electrical Engineering** student (Dipl. -Ing.) at TU Dresden, specializing in **Automation Technology & Robotics** (formerly Automation, Measurement & Control). Founder and General Manager of Qameleon General Services in Qatar, with hands-on leadership in smart film technologies, operations, and B2B sales. Experience across automotive development (Porsche Engineering), deep-tech sensors (Senorics), and Formula Student development (Elbflorace).

Combines engineering fundamentals, product thinking, automation and digital workflows with practical field experience in technical installations, prototyping, and client operations. Comfortable working across Germany, Qatar, and Tunisia, with fluency in four languages.

EXPERIENCE

Feb 2024 – Nov 2025

General Manager & Co-Founder, *Qameleon General Services (LLC) – Doha, Qatar*

- Founded and managed a technical services company specialising in innovative films including **PDLC smart film, heat and sun protection film, decorative privacy films, and glass maintenance** for villas, offices, and commercial clients.
- Built the full business infrastructure: commercial registration, licensing, tax registration, office setup, and supplier network.
- Oversaw a team of ~10 roles (foreman, technicians, helpers, admin assistant, marketing/BDM, interns, design and office support).
- Led technical planning and field execution: glass preparation, film application, electrical integration of PDLC (busbars, transformers, power distribution), troubleshooting, and quality control + after-sale.
- Managed procurement and logistics of hundreds of kilograms of film materials, including international shipments by air and sea through different INCOTERMS trade rules. Conducted site surveys, requirement definitions, surface area calculations, and technical feasibility assessments.
- Prepared B2B/B2C quotations and RFQs for hotels, malls, contractors, clinics, and private villas along with customized Terms&Conditions.
- Developed digital systems:
 - Automation workflows in **n8n/Zapier/ClickUp** for marketing, quotation generation, documentation, and CRM/ERP-style processes.

- Email campaigns using **MJML**/HTML coding, and analytics with **UTM + Google Analytics/Console**.
- Designed brand assets, visuals, and marketing materials (Adobe Suite, Figma, Canva, GenAI,...).

May 2024 – Apr 2025

Engineering Internship, Porsche Engineering Services GmbH – *Bietigheim-Bissingen, Germany*

- Contributed to a **Lastenheft** (requirement specifications sheet) and concept development for an innovative, wirelessly controllable power-protection device used in complex test environments (high-level description respecting disclosed information).
- Supported requirement structuring, functional decomposition, and system use-case mapping.
- Built **decision matrices**, early **FMEA**, and a **V-model** development plan.
- Contributed to early **schematic concepts**, component research, PCB structural considerations, and initial **3D/CAD** housing ideas.
- Conducted extensive literature and market research on relevant protection components, electronic architectures, and similar systems.
- Performed **RF simulations** using *Altair Feko* and supported lab measurements with a **Rohde & Schwarz ZNL Vector Network Analyzer**.
- Final evaluation: **70% Fully Meets Expectations, 30% Fully Exceeds Expectations**.

Oct 2020 – Mar 2024

Working Student (Lab Assistant), Senorics GmbH – Dresden, Germany

- Worked in a deep-tech environment (Sensors, Data & Automation) developing **organic semiconductor-based NIR spectroscopy sensors**.
- Conducted NIR measurements, device calibration, and sensor quality control.
- Built Python-based data workflows (Pandas, NumPy) for measurement evaluation, visualisation, and automation.
- Worked with microcontroller-driven setups for sensor communication and acquisition.
- Used **Microsoft Graph API** and Microsoft Entra ID (formerly Azure AD) to automate internal flows/actions.
- Built small internal tools using **Power Automate**, **Power Apps**, and Python.
- Collaborated with hardware, software, and data engineering teams.
- Presented Senorics' technology to a potential business client in Qatar.

Nov 2023 – Apr 2024

Team Member – Dynamics & HiL Support, Elbflorace Formula Student Team (TU Dresden) – Dresden, Germany

- Worked with **LabVIEW** on vehicle dynamics logic, building the control systems of the vehicle and migrating the GUI-Environment to Python code along with test scenarios using historic data.
- Assisted during **Hardware-in-the-Loop (HiL)** testing using **Vector CANoe** and **Vector VN1640**.
- Contributed to “car-on-the-table” setup testing, identifying electrical issues before on-track testing.
- Gained exposure to modelling, simulation, and validation of automotive subsystems.
- Experienced the benefits of partnership collaboration (e.g., tracetrone GmbH), using professional-grade HiL tools.

EDUCATION

Sep 2019 – Current

Dipl.-Ing. Electrical Engineering, at Technische Universität Dresden (TU Dresden)

Specialization: Automation Technology and Robotics

Relevant coursework: Control engineering, robotics fundamentals, measurement systems, embedded principles, Circuit design, EMC, modelling and simulation (MATLAB/Simulink), RF basics, digital systems, sensor technologies...

Oct 2018 – Jul 2019

Studienkolleg (T-Kurs), at TUD Institute of Advanced Studies (TUDIAS)

Successfully completed T-Kurs foundation curriculum in mathematics, physics, chemistry, computer science, and German technical language.

SKILLS

Project management

Organization

Data analysis

Problem-solving

Communication

Management

LANGUAGES

- Arabic - Native
- English - Fluent
- German - Fluent
- French — Fluent