

Firas Marzougui

Nationality: German & Tunisian

Friedenstraße 15
71069 Stuttgart
+49 175- 90 17 85 0
contact@firas.pro
Firas.pro



Education

- **University of Stuttgart,**
 - 2024-present: Master of Science in Aerospace Engineering.
 - 2014-2019: Bachelor of Science in Aerospace Engineering.
- **École polytechnique fédérale de Lausanne (EPFL),** September 2019 – March 2020
 - Exchange semester: Computer Science and Information Systems
- **Language Centre of the University of Dortmund,** October 2013 – July 2014
 - German language course C1 with Language Exam DaF.
- **High-School Lycée technique Gafsa,** September 2007 – June 2013
 - Baccalaureate.

Work experience

- **Development engineer at Bertrandt AG,** November 2021-December 2024
 - 2023-2024: Testing System Responsible:
 - Ensuring the functionality of the testing system. HW & SW Troubleshooting.
 - Tooling: Tools programming/further development for the automation of the HiL systems.
 - 2021-2022: E/E Tester:
 - Implementation and execution of test cases on component and system level.
 - Installation of the Power Network Management system on the HiL test benches.
- **Working Student at Daimler AG,** March 2020 – November 2021
 - Regression analysis.
 - MS Office add-in programming. - Database programming (VBA).
 - Automation of the recognition of the components in the vehicle.
- **Working Student at Daimler AG,** November 2018 – September 2019
 - Tool development for the automation of the documentation (VBA).
 - Development and completion of the benchmarking database.
 - Standardization of the documentation of MB vehicles.
- **Internship at Daimler AG,** April 2018 – September 2018
 - inspection, structuring and evaluating competitor's data to prepare for workshops and meetings.
 - Development and fulfilment of the benchmarking database.
 - Disposition and procurement of the latest vehicles and components for further analysis.
 - Disassembly and documentation of competitor's cars in collaboration with the workshop.
- **Bachelor's Thesis at the Institute of Aircraft Design,** October 2017 – March 2018
 - Cooperation between University of Stuttgart and Airbus Helicopters.
 - Construction and study of the fastening methods in the cockpit of a new Airbus helicopter.
 - FEM Simulation -Catia V5.
- **Math tutor at N&U** October 2017 – September 2019
 - Mathematics, Gymnasium level.
- **Service technician at Deutsche Telekom,** July 2017 – March 2018
 - Troubleshooting Internet Connection Problems.
 - Check and connect wires and circuits in the control boxes.
- **Working student at the Airport of Stuttgart,** May 2015 – December 2016
 - Supervision of Lufthansa and Eurowings customers (check-in, Information ...).
- **Internship at CPG,** July 2014 – August 2014
 - Work in the field of forming technology.

Volunteer Experience

- **Chairman of The Board, Allmandring e.V.,** 2018
 - Intermediate between the students and the Student Office.
 - Organization of the biggest Student party in the south of Germany „Allmand Open Air “.
- **Working at the International Office, University of Stuttgart,** 2017-2021
 - Mentors at the program help their mentees:
 - organize their studies.
 - get to know the campus.
- **Member of VtAS e.V.,** 2014 – 2016
 - The VtAS.e.V. it is one of the most important Tunisian associations in Germany through its creative & diverse events that it organises. VtAS e.V. consists mainly of students & graduates living in the south of Germany.
- **Member in the Centre national de l'informatique (Informatics Club),** 2006 – 2011
 - Programming.
 - Supervise of new members.

Additional Skills

- **Languages**
 - **Arabic** Native
 - **French** Negotiation Level
 - **German** Negotiation Level
 - **English** Fluent
 - **Spanish** Basic knowledge
- **Computer skills**
 - **MS-Office:** Word, Excel, PowerPoint, Outlook
 - **Work Management:** Atlassian Toolchain: Jira, Confluence
 - **Mercedes-Benz:** STARC, Zenzefi, GSEP, EDLS, MMA, STAR3
 - **Application Software:**
 - ✓ CANoe, Provetech:TA, Smaragd
 - ✓ CAD: Catia V5. FEM: Catia-FEM-Modul
 - ✓ Adobe: Photoshop, Premiere Pro, Dreamweaver
 - **Programming languages:**
 - ✓ Visual Basic .NET, Matlab / Simulink, WWB, VBA
 - ✓ Java, C, C++, HTML, CSS, PHP, Python, SQL
 - **Hardware:**
 - ✓ Vector hardware components
 - ✓ ECUs (vehicle development)
 - ✓ dSPACE SCALEXIO Real-Time and I/O Hardware (HiL)
- **Additional information**
 - **Driving license:** Class B.

Personal Interests

- AI, Quantum computing
- Web design und Web Programming.
- Bricolage (DIY), Football, Music.
- Hi-Tech News.