

# Sami Dhiab

Berlin, Berlin, Germany



sami.dhiab.x@gmail.com



004917666994604



[linkedin.com/in/sami-dhiab-1b67a012b](https://www.linkedin.com/in/sami-dhiab-1b67a012b)

## Summary

Several years of proven experience as a software and robotics engineer.

Area of interest: AI, Autonomus Robotics, industrial automation, self-driving cars, IoT and many other related fields.

public github profiles and projects: [www.github.com/samidh93](https://www.github.com/samidh93)

## Experience



### Lead robotics & software engineer

theion

Jun 2021 - Present (1 year 10 months)

Project: software solution design of several custom Machines for sulfur battery production.

Team size: 5

Tech-stack: C++, python, Qt, uml, ros, git, github actions, docker, cmake, sql, agile scrum



### Software Engineer

German Aerospace Center (DLR)

Apr 2020 - Jun 2021 (1 year 3 months)

Project: development of autonomus driving simulation testing framework

Team size: 9

Tech-stack: c++, python, ros, git, gitlab ci, docker, sumo, yaml, json, cmake, agile scrum



### Working Student embedded software

Berlin University of Applied Sciences Berlin (BHT)

Apr 2019 - Apr 2020 (1 year 1 month)

Project: design of customized stereolithography 3d printer

Team size: 4

Tech-stack: c, c++, stm32, cubemx, simulink



### Robotics Engineer

SOPAL

Jan 2015 - Dec 2015 (1 year)

Project: design of an automatic mounting machine for shower hose serial assembly.

Team size: 6

tech-stack: c, c++, sps, eagle, soldiworks

## Education



**Berlin University of Applied Sciences Berlin (BHT)**

Master of Engineering - MEng, Mechatronik, Robotik und Automatisierungstechnik  
2017 - 2020



**F&U academy**

C1 Certificate & Testdaf, German language  
2016 - 2017



**Higher Institute of Technological Studies of Mahdia ( ISET Mahdia )**

Bachelor of Engineering - BE, Mechatronik, Robotik und Automatisierungstechnik  
2012 - 2015

## Licenses & Certifications



**Certified SOLIDWORKS Associate (CSWA)** - SolidWorks Authorized Training Centre  
C-BGM599UVSD



**MATLAB Onramp certificate** - MathWorks



**Simulink Onramp certificate** - MathWorks



**Stateflow Onramp** - MathWorks



**Machine Learning** - MathWorks



**TestDaF Deutsch als Fremdsprache** - TestDaF  
306946 C1 Level german



**English Certificate** - AIESEC Sfax  
Aiesec sfax, Educate me, Excellent Level C1



**Deep Learning** - MathWorks



**Embedded C development** - INSA Lyon - Institut National des Sciences Appliquées de Lyon  
# 1281357815



**Programming in C Certification** - OpenClassrooms  
8347794030




**Programming in C++** - OpenClassrooms

5774786925

 **Programming in Python** - OpenClassrooms  
9757405509

 **Linux Administration** - OpenClassrooms  
9553394954

 **Machine Learning** - Stanford University  
K5A2WUT3AATK

 **Machine Learning with Python** - IBM

 **Introduction to Self-Driving Cars** - University of Toronto  
66D5NXSRBQG7

 **State Estimation and Localization for Self-Driving Cars** - University of Toronto  
4ELBJSYVZVBV

 **Visual Perception for Self-Driving Cars** - University of Toronto

 **Motion Planning for Self-Driving Cars** - University of Toronto

 **Self-Driving Cars Specialization** - University of Toronto

 **UML Class Diagrams and SW design** - LinkedIn

 **Clean code and SOLID** - LinkedIn

 **Software Design: Modeling with UML** - LinkedIn

 **C++ Design Patterns: Creational** - LinkedIn

## **Skills**

Scrum • Qt • Objektorientierte Programmierung (OOP) • Softwareentwicklung • JSON • SQL • System Architecture • Object Oriented Design • Software Design Patterns • Test Driven Development