

Bilal Reffas

SOFTWARE ENGINEERING MANAGER

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Experience

Bosch eBike

SOFTWARE ENGINEERING MANAGER

- Technical ownership and responsible for the Bluetooth interface of the overall eBike.

Stuttgart, Germany

Mar. 2022 - Present

Bosch eBike

SENIOR SOFTWARE ENGINEER

- Design of a few wireless communication protocols event bus, streaming and large chunk based.
- Implementation of pure communication protocols using Swift
- Responsible for the module with underlying features like FOTA, Lock and general communication bidirectional towards the eBike.
- Maintaining the module, fixing several leaks using the memory graph and improving documentation.
- Supporting multiple feature teams how to use the module for making several features possible.
- Release of the new eBike platform called "smart System" together with the eBike Flow App see here.

Stuttgart, Germany

Dec. 2019 - Feb. 2022

Byton

SOFTWARE ENGINEER

- Working on keyless entry using Swift, CoreBluetooth, CoreLocation, iBeacons.

Munich, Germany

Mar. 2019 - Dec. 2019

Technical University of Applied Sciences Gießen

STUDENT ASSISTANT

- Conducting bachelor course and presenting lectures in web programming (TypeScript).
- Participating in the Institute for Information Sciences.

Gießen, Germany

Apr. 2018 - Mar. 2019

Deutsche Telekom AG

MACHINE LEARNING INTERN AND SOFTWARE ENGINEERING APPRENTICESHIP - IOS ENGINEER

- Created a http classification model. Maintained the online manager iOS app.
- Improved performance and fixed a few memory leaks and created the watchOS App.

Darmstadt, Germany

Sep. 2014 - Oct. 2018

Education

Technical University of Applied Sciences Gießen

B.S. IN SOCIAL MEDIA SYSTEMS WITH A FOCUS ON COMPUTER SCIENCE

- CS2356 Machine Learning CS1017 Algorithms and data structures CS2353 Efficient algorithms and their application MN1007 Discrete mathematics CS2349 Category theory for computer scientists CS2350 Generic programming CS1021 Software engineering etc..

Gießen, Germany

Apr. 2017 - Dec. 2019

Projects

Open Source EmojIntelligence

EMOJIINTELLIGENCE SWIFT PLAYGROUNDS 1300 STARS ON GITHUB.

- EmojIntelligence is an implementation of a neural network using Swift Playgrounds.
- After the training phase it is able to predict the emoji from drawn sketches.

Germany

Apr. 2017

Honors & Awards

2015/17 **WWDC Scholarship Apple Inc.**, Selected several times as a WWDC scholar

San Francisco, USA

2015-19 **Won several Hackathons**, AI Hackathons etc

Germany

2017 **Selected Digital Native**, Advising to the Chairman of the Management Board of Deutsche Telekom AG

Bonn, Germany

Extracurricular Activity

2020 **Hallo Swift**, Co-Host German Podcast about the Swift programming language

Germany

2018 **School-of-AI-Gießen**, Organizing machine learning meetups

Gießen, Germany

2018 **Youtube Videos to learn Typescript**, Tutorials to teach typescript

World

2017 **Presentations AI Meetup**, Neural Networks, Deep Learning, Natural language processing and CoreML

Frankfurt, Germany

2017 **Admin Open Swift Community**, Biggest German speaking community about Apple related topics

Germany