

BILAL REFFAS

+491701877396 | bilalreffas@gmail.com |  bilalreffas |  bilalreffas

EXPERIENCE

Student Assistant

Apr. 2018 – Present

Technical University of Gießen (THM)

Conducting bachelor course, presenting lectures in web programming, tutoring students
Participating in the Institute for Information Sciences
Gießen, Germany

Machine Learning Engineer

Feb. 2017 – Present

DEUTSCHE TELEKOM AG

Basic Relevant work Keras, Theano, Tensorflow, Numpy, Pandas, Matplotlib, SciKit-Learn.
Darmstadt, Germany

Software Engineering Apprenticeship

Sep. 2014 – Jan. 2017

DEUTSCHE TELEKOM AG

Basic Relevant work PL/SQL, Swift, TCP, UDP, Java, Ruby and Javascript.
Darmstadt, Germany

Independent iOS Development

Jan. 2014 – Present

Basic Relevant work Objective-C, C++, Swift, iOS, tvOS, watchOS, Xcode.

EDUCATION

Technical University of Gießen (THM)

Apr. 2017 – Present

B.S. IN SOCIAL MEDIA SYSTEMS (CS FOCUS)

Knowledge about computer architecture, algorithms, compilers, network, protocols, neural networks,
human computer interaction, user centered design and management.
Gießen, Germany

Adolf-Reichwein-Schule Marburg

Sep. 2012 – Jul. 2014

TECHNICAL HIGH SCHOOL

Programming in Java, design patterns, algorithms and data structures, sorting, UML, databases, networking
(http, ftp, smtp, ssh) and hardware interfaces.
Marburg, Germany

SKILLS

Programming Swift, Objective-C, Ruby, Python, SQL, C/C++, PHP, Shell, Java, Javascript and Typescript

Interests Mobile development, Machine Learning, Cyber Security, Visual Design and Server architecture

Languages German, English, French, Somali

ACHIEVEMENTS

- WWDC 2017 Scholarship
 - Won a ticket to attend Apple's World Wide Developers Conference in San Jose.
- AI Hackathon Carl Zeiss AG 2017
 - 1st Place Hackathon AI Subject
- Shortened apprenticeship as Software Engineer 2017
 - Due to very good performance
- 7hack at Prosieben 2016
 - 2nd Place Hackathon Entertainment Subject
- Bankathon 2015
 - 1st Place Fintech Subject (largest europe fintech hackathon)
- WWDC 2015 Scholarship
 - Won a ticket to attend Apple's World Wide Developers Conference in San Francisco.
- Young IT Talent 2015
 - IT Talent at Deutsche Telekom AG
- Hackathon 2015
 - Won German railway subject technical architecture
- App of the day 2015
 - DataVolume was featured in a (chip.de) german news paper

PROJECTS

Luubra

Jan. 2016 – Present

At the moment I work on an iOS app that contains a lot of iOS 10/11 specific features. It is a social network in which the user is able to collect feedback to every day things from his friends.

He can achieve this by for example uploading a picture of a new dress. His or her friends can then forward their feedback completely anonymously.

The user interface I designed is as simple as possible. I also wrote the backend using ruby on rails. The communication between the app and its backend is implemented using a REST Api and serialized data in JSON format.

Currently I collect feedback from my beta testers to release the app in a few weeks.

EmojiIntelligence

Apr 2017

EmojiIntelligence is an implementation of a neural network using Swift Playgrounds. The neural network first is trained with some touch input that is mapped to a given subset of possible Emojis.

After the training phase it is able to predict the emoji from drawn sketches. The project has currently more than 1200 Stars on Github.

MessageMe

Nov 2016 - Present

With MessageMe it's possible to use WhatsApp on the iPad. Originally it was a one day project. I used WebKit and faked the user agent on the iDevice to successfully run WhatsApp Web. With the power of WebKit I used Javascript to enabled smooth native scrolling experience. MessageMe has more than 20.000 downloads.

DataVolume

Apr 2015 - Present

DataVolume is an iOS app to count the used data volume and warns the user when a given amount is reached.

The Design is simple and beautiful. It's support Today Widget extension and the Apple Watch extension. The app is completely written in Swift. To get the data usage I request a REST api and parse its JSON content inside the client. Currently I rewrite the app and use the native iOS cellular data counter with some more extra features.

DataVolume has more than 25.000 downloads.