

The program that your fellow students envy you for.

Your IoT program challenge, straight out of the practice of our corporate partners

powered by



IOT + NETWORK

C&DE

de:hub
digital ecosystems

MAKEUP

MakeUp IoT talent program

FOR STUDENTS

The MakeUp IoT talent program is made for all tech enthusiasts, who want to broaden their knowledge in the field of IoT, work on hands-on projects and access attractive job opportunities. It is a 10-week student program which, in addition to theoretical knowledge, not only expands your skillset in the areas of 3D printing, laser cutting, soldering and milling, but also allows you to design and develop IoT projects holistically - from hardware to software.

You will work on either Corporate Challenges, provided by our corporate partners or on an own project, if it's selected by our jury. (Find all challenges on page (X))

You will leave this program with a certificate signed by the BMWK (Federal Ministry of Economics and Climate Protection) that will increase your chances of getting your IoT focussed dream job.



Bundesministerium
für Wirtschaft
und Klimaschutz

FOR CORPORATES AND FUTURE PARTNERS

The MakeUp IoT talent program will run over a period of two years and is designed to train more than 130 students to become experts in the field of Internet of Things (IoT). In the course of this, the participants will learn to develop IoT projects and to implement them in a timely manner. The core of the program ideas is the combination of expert knowledge about IoT with software programming and the construction of physical products. By supporting young professionals, the aim of this MakeUp program is to strengthen the capital as a technology location and highlight Berlin's innovative strength. As a corporate partner, you can benefit from the early access to high qualified experts in the field of Internet of Things.

Resc.io Safety Station

The intelligent first aid equipment with real-time monitoring

Challenge partner

Resc.io is a spinoff company of Rhenus Logistics born in 2021 through a corporate partnership with MotionLab.Berlin seeking to optimise the monitoring of first response equipment in Industrial warehouses.



About the challenge

Thousands of safety stations need to be checked and refilled constantly, all by hand. Ridiculous isn't it? Resc.io is changing everything. If not, first aid can be a huge problem. Resc.io saves lives and resources, as it provides real-time updates on medical equipment's status using permanent monitoring via different sensors, remote control via one IoT-Cloud real-time alerting/ rule engine and escalation levels.

Make Resc.io even smarter and design a visual dashboard that customers love.

For this, you will choose the appropriate hardware components. Develop a system to send data by the trigger to the resc.io backend and ensure configurability. As an add-on we want to integrate NFC identification.

The cost to manually control Safety Station is enormous. If something is missing, it can cost lives! A smart solution lets companies focus again on the essential and protects.

Why you should apply and what you will learn

The Challenge is perfect for you if you want to learn more about UX/UI design, backend development, data gathering and analysis, rule engine design, geofencing and customer behavior prediction.

ABUS ONE PRO Dashboard

The IoT driven and smart ABUS customer dashboard

Challenge partner

Abus is a German company with a long tradition in preventive security technology. The company's products are divided into the three main areas of home security, mobile security and property security. Since 2018 Abus successively expanded its range of smart home solutions.



About the challenge

In 2020, ABUS launched a cloud infrastructure in combination with the IoT padlock 9001 IoTect, including user interfaces in a web and native app context.

In 2023, further products ranging from smart curtain and bicycle locks to door cylinders will be integrated into the so-called ABUS ONE system. In addition to the already necessary control via the native ABUS ONE app, device and user management via a

web-based interface will play an essential role in the scope of services of future ABUS solutions, especially in the professional context.

In order to keep this promise, a realignment of the customer dashboard for the best possible user experience is required. The goal is to develop a briefing including prototypes that can be communicated to the ABUS partner network for implementation.

Why you should apply and what you will learn

The task area includes the determination of the status quo, the examination of smart/digital ABUS products, but also the recording of specific customer needs for function and benefit, as well as the orientation towards technological requirements of the cloud infrastructure and UI/UX design guidelines.

MakeUp IoT talent program

INDUSTRY EXPERTS INVOLVED IN THE PROJECT



Pooja Channaveerappa



Jonas von Frieling



Moritz Heyder



Thibault Hermitte



Jana Mendelski



Katharina Withelm



Christoph Iwasjuta



Carsten Pietruck



David Riding

Timeline & info

Application phase:

01.11.2022 - 02.01.2023

Selection phase:

03.01.2023 - 06.01.2023

Program begin:

13.01.2023 - 24.03.2023

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Apply until 02.01.2023

https://docs.google.com/forms/d/e/1FAIpQLSdn_i1bq4gJA6GjxNTS1ogIs2I86qAmMH4msM5MH_QF-b47OSGw/viewform

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