

# Christian Mösl

## SOFTWARE ENGINEER



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## WORK EXPERIENCE

10/2018 – PRESENT

**EMUNDO GMBH**

### Software Engineer, Infrastructure

- Modernizing infrastructure by using cloud technologies like Kubernetes and Rancher

08/2018 – PRESENT

**CHRISTOPH KIRSCH  
(UNIVERSITY OF SALZBURG)**

### Software Engineer, The Selfie Project





- Conception and implementation of a Self-Grader

08/2019 – 10/2019

**TIARK ROMPF  
(PURDUE UNIVERSITY)**

### Research Internship, Program Language Group

- Multistage Programming with LMS (Lightweight Modular Staging)
- Embedding WebAssembly as DSL in Scala 
- Building a Web App for data processing using compiled SQL queries 

10/2017 – 12/2017

**CHRISTOPH KIRSCH  
(UNIVERSITY OF SALZBURG)**

### Software Engineer, The Selfie Project



- Changed the architecture from 32 to 64 bit
- Replaced MIPS with RISC-V instructions set
- Creation of a Docker image

10/2014 - 05/2018

**DIGITAL ELEKTRONIK GMBH**

### Software Engineer, Embedded Systems

- Conception and implementation of a hardware independent framework for ARM microcontrollers (in C99/C++14)
- Firmware development w.r.t. medicine norms (IEC62304)

09/2010 - 02/2014

**DIGITAL ELEKTRONIK GMBH**

### Apprentice, Mechatronics

- Specialist training as a mechatronics engineer
- Control technology, hydraulics and pneumatics
- First C/Assembler programs for microcontrollers

## EDUCATION

03/2016 - PRESENT

**UNIVERSITY OF SALZBURG**

### Student, Computer Science

- Specialization: Computational Intelligence and Simulation, Processing of large amounts of data, Image processing

## CERTIFICATES

### **COURSERA:**

- Functional Programming in Scala