

Hasan Selman KARA



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Info Nationality: Swiss, Turkish
Birthday: 24.12.1995

Education **FHNW Windisch, 5.0** (2015–2019)
Bachelor Computer Science
Fields: Concurrency, Functional Programming, Distributed Systems, Full-Stack-Dev

Informatikmittelschule Baden, 5.0 (2011–2015)
EFZ Applikations-Entwickler
Kaufmännische Berufsmaturität

Employment & Experience **Full Stack Android Engineer, Migros Online** (2020.04–today)
◊ Developed key features of the new Migros Online ecommerce Android app.
◊ Introduce UI test automation for end-2-end business tests and stress tests. (*Espresso, FTL*)
◊ Maintained and extended the CI/CD process for the iOS and Android apps. (*Bitrise*)

Travel (2019.07–2020.02)
Traveled the Balkans, Eastern Europe, Turkey, the Caucasus, Iran and Sri Lanka.

Test Automation Engineer, CONCORDIA AG (2019.02–2019.05)
Fixed and extended complex, automated JavaFX GUI tests for domain testers. (*QF-Test*)

Bachelor's Thesis, Shouldcosting GmbH, 5.5 (2018–2019)
Developed & integrated a “programming by example”-system for data-cleaning. Synthesize programs in a custom DSL for complex string-manipulations by providing input-output-examples. www.selman.li/thesis (*program synthesis, PBE, C#*)

Programmer, FHNW Research Institute for 4D-Technologies (2015–2017)
◊ Karmabooster app and back-end for SWISSAID for easier donation collection. (*Spring-Boot; Cordova; Postgres; AngularJS*)
◊ Added an NLP based classifier for an internally developed crawling framework.
◊ Build a system to crawl AJAX based websites and provide labeled data for a ML-model. (*Selenium; Docker; Spring-Boot*)

Intern, FHNW Research Institute for 4D-Technologies (2014–2015)
◊ Build the “TwinSearch” Android app to help find lost twins. (*RxJava*)
◊ Internal project and team planning application for efficient resource allocation. (*JavaFX*)

Languages & Skills German (native), English (CAE), Turkish (good), French (basic)
Java (Spring-Boot, Java EE, JavaFX, concurrency), Python (pandas, numpy, matplotlib), Kotlin, Android SDK, JavaScript, Linux, C# (.NET Core), SQL, Docker, \LaTeX