

# Hasan Selman KARA



**Contact** hasan.selman.kara@gmail.com  
github.com/haisi  
+41 78 682 31 13  
Aegerimatten 18, 5643 Sins, CH

**Info** Nationalities: Swiss and Turkish  
Birthday: 24.12.1995

**Employment & Experience** **Full Stack Android Engineer — Migros Online AG** **2020.04–today**  
◇ Built key features of the new Migros Online e-commerce Android app as part of an agile team, generating millions of CHF in revenue and scoring a ~4.5 stars Play Store review.  
◇ Closely worked with crucial stakeholders such as POs, UX, QA, analytics and other team members from Zurich, Ecublens and Beirut to continuously improve the product.  
◇ Introduced UI test automation for end-to-end domain and stress tests, finding serious bugs and performance issues before the public release. (*Espresso, Firebase Test Lab*)  
◇ Maintained and extended the CI/CD setup of the iOS and Android app. (*Bitrise, Firebase*)

**Vagabond — World** **2019.07–2020.02**  
Visited the Balkans, Eastern Europe, Turkey, the Caucasus, Iran and Sri Lanka for leisure.

**Bachelor's Thesis, 5.5 — Shouldcosting GmbH** **2018.09–2019.03**  
Developed and integrated a “programming by example”-system for data-cleaning which outperforms the baseline in every test. The system synthesizes programs into a custom DSL for complex string-manipulations by providing input-output-examples. [www.selman.li/thesis](http://www.selman.li/thesis) (*C#, program synthesis, PBE*)

**Programmer — FHNW Research Institute for 4D-Technologies** **2015.08–2017.07**  
◇ Added a NLP based classifier to an internally developed crawling framework to extract open job listings from company websites and job portals. (*Java, Lucene, CoreNLP*)  
◇ Built a system to crawl AJAX based websites and provide labeled data for a ML-model. (*Selenium, Docker, Spring-Boot*)  
◇ Developed the Karmabooster app and back-end for SWISSAID to gamify donations. (*Spring-Boot, Cordova, Postgres, AngularJS*)

**Intern — FHNW Research Institute for 4D-Technologies** **2014.08–2015.07**  
◇ Developed the “TwinSearch” Android app to help users find lost twins and soulmates.  
◇ Built an internal project and team planning app for efficient resource allocation. (*JavaFX*)

**Education** **FHNW Windisch, 5.0** **2015.08–2019.07**  
Bachelor Computer Science focusing on distributed software systems

**Informatikmittelschule Baden, 5.0** **2011.08–2015.07**  
EFZ Applikations-Entwickler with Kaufmännische Berufsmaturität

**Skills** Java (Spring-Boot, Java EE, JavaFX, concurrency), Kotlin, Android SDK & AndroidX, Python (pandas, matplotlib), JavaScript, SQL, Docker, Git, Scrum, Jira & Confluence, ~~TeX~~

**Languages** German (native), English (CAE), Turkish (conversational), French (basic)