Hasan Selman KARA

Contact
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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

World Trip *(2019.07–2020.01)*
Traveled the Balkans, Eastern Europe, Turkey, the Caucasus, Iran and Sri Lanka for recreational purposes.

Test Automation Engineer, CONCORDIA AG *(2019.02–2019.05)*
◇ Improved CI reports by attaching generated test-resources and displaying nested tests.
◇ 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 giving input-output-examples. www.selman.li/thesis *(program synthesis, PBE, C#)*

Student-Project, Endress+Hauser Flowtec AG, *5.0* *(2017–2018)*
Semi-automated processing of documents in the goods receipt. Reduce human error extracting values from PDFs by learning feature locations. *(Python)*

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. *(StanfordNLP; Java; Lucene; Apache POI)*
◇ 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)*
◇ "TwinSearch" Android app to help find lost twins. *(RxJava)*
◇ Internal project and team planning application for efficient resource allocation. *(JavaFX)*
◇ Web-App which crawls websites, extracts nouns, weighs them by importance and displays them in a word-cloud. *(jsoup)*

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