



Hasan Selman KARA

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Info	<p>Nationality: Swiss, Turkish Birthday: 24.12.1995</p>
Education	<p>FHNW Windisch (2015–2019) Bachelor Computer Science Fields: NLP, Functional Programming, Distributed Systems, Full-Stack-Dev</p> <p>Informatikmittelschule Baden (2011–2015) EFZ Applikations-Entwickler Kaufmännische Berufsmaturität</p>
Employment & Experience	<p>Bachelor’s Thesis, Shouldcosting GmbH (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. (<i>program synthesis, PBE, C#</i>)</p> <p>Student-Project, Endress+Hauser Flowtec AG (2017–2018) Feasibility study for semi-automated processing of material-certificates in the goods receipt. Reduce human error extracting values from PDF-documents.</p> <p>Programmer, FHNW i4Ds (2015–2017) ◊ Developed the Karmabooster app and back-end for SWISSAID for easier donation collection. (<i>Spring-Boot; Cordova; Postgres; AngularJS</i>) ◊ Added an NLP based classifier for an internally developed crawling framework. (<i>StanfordNLP; Java; Lucene; Tika</i>) ◊ Developed system to crawl AJAX based websites and provide labeled data for ML-model. (<i>Selenium; Docker; Spring-Boot</i>)</p> <p>Intern, FHNW i4Ds (2014–2015) ◊ Developed the “TwinSearch” Android app to help find lost twins. ◊ Developed internal project planning application. (<i>JavaFX</i>) ◊ Web-App which crawls websites, extracts nouns, weighs them by importance and displays them in a word-cloud.</p>
Languages & Skills	<p>German (native), English (CAE), Turkish (good), French (basic) Java (Spring-Boot, Java EE, concurrency), Python (pandas, numpy, matplotlib), JavaScript (React, Angular), Linux, C#, SQL, Docker, Android, L^AT_EX</p>

References Prof. Dr. Manfred Vogel
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