Hasan Selman KARA

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Info

Nationality: Swiss, Turkish
Birthday: 24.12.1995

Education

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

Informatikmittelschule Baden *(2011-2015)*
EFZ Applikations-Entwickler
Kaufmännische Berufsmaturität

Employment & Experience

Bachelor's Thesis, Shouldcosting GmbH *(2018-2019)*
- Developed & integrated a "programming by example"-system for data-wrangling.
- Synthesize programs in a custom DSL for complex string-manipulations by giving input-output-examples. (program synthesis, PBE, C#)

Student-Project, Endress+Hauser Flowtec AG *(2017-2018)*
- Feasibility study for semi-automated processing of material-certificates in the goods receipt.
- Reduce human error in extracting values from PDF-documents.

Programmer, FHNW *i***4D***s* *(2015-2017)*
- Developed the Karmabooster app and back-end for SWISSAID for easier donation collection. (Spring-Boot; Cordova; Postgres; AngularJS)
- Added a NLP based classifier for internally developed crawling framework. (StanfordNLP; Java; Lucene; Tika)
- Developed system to crawl AJAX based websites and provide labeled data for ML-model. (Selenium; Docker; Spring-Boot)

Intern, FHNW *i***4D***s* *(2014-2015)*
- Developed the "TwinSearch" Android app to help find lost twins.
- Developed internal project planning application. (JavaFX)
- Web-App which crawls websites, extracts nouns, weights them by importance and displays them in a word cloud.

Languages Skills

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, LaTeX

References

Prof. Dr. Manfred Vogel
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Group leader Institute for Data Science
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