Hasan Selman KARA

Contact

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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-cleaning.
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)*
Semi-automated processing of documents in the goods receipt. Reduce human
error extracting values from PDFs by learning feature locations. *(Python)*

Programmer, FHNW i4Ds *(2015–2017)*
◇ Developed the 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)
◇ Developed system to crawl AJAX based websites and provide labeled data
for a ML-model. *(Selenium; Docker; Spring-Boot)*

Intern, FHNW i4Ds *(2014–2015)*
◇ Developed the "TwinSearch" Android app to help find lost twins. *(RxJava)*
◇ Developed internal project and team planning application. *(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, concurrency), Python (pandas, numpy, matplotlib),
JavaScript (React, Angular), Linux, C# (.NET Core), SQL, Docker, Android, LaTeX

References

Prof. Dr. Manfred Vogel
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Leading Master of Science in Engineering MSE program
Group leader Institute for Data Science
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