Tim Weiland

Curriculum Vitae

PERSONAL DETAILS

Nationality	German
Mail	`hello@timwei.land`

EDUCATION

Abitur 2008-2017

Marion-Dönhoff-Gymnasium Lahnstein

Abitur passed in April 2017; 1.0 grade average (German system).

B.Sc. Computer Science 2017-2021

Karlsruhe Institute of Technology

Minor in Mathematics. Current grade average (German system) is 1.5. Finished with all coursework and currently working on bachelor thesis. Expected to graduate in July 2021. Thesis topic: Gradient-based meta-learning for fast adaptation of sequence-to-sequence networks to error corrections in Automatic Speech Recognition.

WORK EXPERIENCE

Software Engineer 2017

Vision & Robotics GmbH, Koblenz

Three months of full-time work. Designed an algorithm for segmentation of shelves in retail stores from point cloud data.

Teaching Assistant 2018-2019

Basic Notions of Computer Science

Taught students about various CS topics (logic, proofs, algorithms, data structures, ...) and corrected exercise sheets.

Software Engineer 2019-today

Karlsruhe Information Technology Solutions – kites GmbH

Working student.

- Developed a real-time collaborative editor to enable humans to conveniently correct transcripts generated by an Automatic Speech Recognition system; implemented various features on top (version control, authorship tracking, ...)
- Rewrote a server that distributes data for real-time Automatic Speech Recognition and Machine Translation within one month of full-time work; the server is now being used in production.

VOLUNTEER EXPERIENCE

Organizer 2018-today

Hack & Söhne

Organization of tech talks, workshops and hackathons (including Germany's biggest student-organized hackathon).

PROJECTS

Intellingua 2018-2019

Intelligent language learning app

A language learning app based on the input hypothesis: The app tracks the interests and the current knowledge level of the user and suggests slightly more difficult material fitting the user's interests to help the user improve their skills in an incremental and enjoyable fashion. To do so, the app uses various natural language processing methods. The app was developed for the module "Software Engineering in Practice" with two other students at KIT.

SKILLS

Languages	German (native), English (fluent), French (good), Spanish (basic knowledge), Japanese (basic knowledge)
Programming languages	Python > C++, Java, JavaScript > C#, C, Haskell, Prolog, Julia, R
Technologies	PyTorch, Numpy, Scikit-learn, Pandas, Linux

COMPETITIONS AND AWARDS

Dr. Hans Riegel subject award 2016

First prize in Physics for a research paper with the topic "Theoretical prediction and experimental verification of gravitational waves"

Finalist 2016

34th German National Computer Science Contest

MINT-EC Certificate 2017

Level 3: With distinction

Participant in the selection procedure for the IOI 2017 2017

Selection procedure of the German team for the International Olympiad in Informatics

Tim Weiland
19th April 2021