





# David Huss

-  Glasgow, UK
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-  davidhuss.net
-  Right to work in the UK & EU

## Software skills

### Programming languages

Python  
JavaScript/Node.js  
PHP  
Some experience with: R, Haskell, Java

### Development tools/environments

Git, Docker, Linux, Bash, Apache, GitHub, GitLab, MS DevOps

### Audio & media tools

Reaper, MuseScore, Audacity, Inkscape, LaTeX

### Other





HTTP, REST, JSON, Raspberry Pi, Wordpress, Microsoft Office (esp. Excel, Word)

### Certifications

ISTQB Combined Software Testing Foundation and Agile Extension

## Other skills

### Languages

	German	native
	English	proficient (C2) CAE grade A
	French	advanced (C1)
	Spanish	elementary (A1)

## Work Experience

### Motorola Solutions

*Junior System Integration Test Engineer*

since 02/22

Manual and automated testing of police software in an Agile development process. Platforms: Windows, Android; Tools: TDD, Cucumber/Gherkin

### Institute of Phonetics and Speech Processing (LMU Munich)

*Research Assistant* (speech technology)

09/19 – 11/19, 03/20 – 09/20

Design and implementation of specialized linguistic software

- Converter between speech annotation file formats (Python)
- Tool for standardisation of text files user-submitted through [web interface](#) (Bash)
- Tool for automatic assembly of a maximally diverse speech corpus sourced from pre-existing corpora (R + tidyverse)

*Research Assistant* (experimental research)

10/19 – 03/20

- Implementing and conducting empirical psycholinguistics experiments (PsychoPy)
- Developing tools for test subject acquisition (PHP)
- Handling experiment result data confidentially and efficiently (Excel)

## Education

### University of the West of Scotland

10/20 – 10/21

*MA Music* (with Distinction)

Paolo Nutini Scholarship recipient. Focus of study on music technology

Master's project: *Programmatic Looping* (see below, personal project *laszlo*)

### LMU Munich

*BSc Computer Science* (first year only)

10/19 – 09/20

Interim year before receiving scholarship for Master's degree. Focus of study on:

- Computational linguistics
- Formal language theory (grammars, parsing)
- Programming language theory (esp. for Haskell, Java)

*BA Phonetics and Speech Processing*

10/15 – 09/19

Final grade: 1.7 (UK 2:1)

Thesis: *The influence of paralinguistic sounds on the perception of synthesized speech*, grade: 1.0 (UK 1st class)

Notable modules:

- Speech Technology (signal processing, speech recognition & synthesis)
- Statistics (statistical analysis & data visualisation using R)
- Databases (managing speech databases with R & emuDB)

### University of Strasbourg

09/17 – 01/18

*ERASMUS exchange term*

## Personal Projects

#### laszlo

[video showcase](#)  
[github](#)

A Python library + desktop app + programmable guitar effect pedal for creating highly flexible audio loopers. Includes an audio engine written in Python, a dedicated markup language (.laszlo) and a GUI written in HTML/Sass/JS

#### jotter

[github](#)

A self-hosted web app for temporary storage of notes and files with a RESTful HTTP API. Written in PHP (backend) and HTML/CSS/JS (frontend)

#### movietracker

[github](#)

A shell script that notifies me via email when it finds movies from my personal watchlist on YouTube