




David Huss

-  Glasgow, UK
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-  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, DNS, 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)

Experience

Motorola Solutions

Java Software Engineer since 10/22
Backend work on a suite of web services for public safety organizations. DevOps and Agile methodology.

- Java/Spring Boot application development
- Test automation with Python, Cucumber, Selenium
- Participating in 24/7 support rota
- Automating development workflows with GitHub and Azure DevOps

Junior System Integration Test Engineer 02/22 – 10/22
Test automation and manual testing of Windows and Android apps

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 web app for temporary storage of notes and files with a RESTful HTTP API. Written in PHP and HTML/CSS/JS

home server

My Raspberry Pi server through which I'm learning self-hosting. Hosts various services (such as Nextcloud) using Docker and the Caddy web server as a reverse proxy.