



## Þorsteinn Sævar Kristjánsson

📞 822 1429

🏠 May 26th, 1992

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🌐 [www.kurte.is](http://www.kurte.is)

🔗 [github.com/Skandalabrandur](https://github.com/Skandalabrandur)

## Programming

C++, Javascript, Python, Ruby, Bash

C, C#, Dart

Java

## Frameworks & Runtimes

Flutter, React Native, React

Vue, Node, Django

Rails, Dotnet Core

## Tools and IDEs

VSCode, Git, Atom

Android Studio, Docker, Jenkins

IntelliJ based such as CLion

## Development platforms

GNU/Linux (Debian based)

Windows 10

## Interests

Audio Processing, Voice Acting,

Composing music, Astronomy

## Education

2017-2020 BSc in Computer Science at Reykjavík University. Elective focus on courses in **web application development** and **backend solutions**

2013-2015 Coursework in Computer Science at the University of Iceland

2008-2012 Matriculation examination in Natural Sciences at Menntaskólinn á Akureyri

## Work Experience

Jun 2020 -  
Sep 2020

### Full Stack Developer at Showdeck

Wrote NodeJS and Django server code. Configured and maintained GraphQL as a data transfer layer between the two backends. Maintained and extended a Vue frontend that consumed the GraphQL endpoints. Configured a tree structure for relational data to allow recursive data definitions

Aug 2018 -  
Dec 2018

### Teacher's Assistant in Computer Architecture at RU

Taught fundamental operations of a computer, how and why the CPU works, reading and debugging x86\_64 assembly code, program flow (register, cache, RAM etc) and finally how to operate the GNU/Linux command line.

## Development Experience

Mar 2019 -  
May 2019

### Photography contest solution

Developed an image submission website for a photography contest for the Astronomy Club of Seltjarnarnes. The solution, developed in Rails, sorted pictures for the judges based on whether they had voted on them or not. A superuser could then view the calculated results for the voting outcome.

Code: [github.com/Skandalabrandur/astro\\_ljosmyndakeppni](https://github.com/Skandalabrandur/astro_ljosmyndakeppni)

## Personal Projects

Mar 2020 -  
Apr 2020

### Phoneme editor and wavefile exporter for Half Life 2

Legacy issues, of embedding lip sync data for HL2, prompted the creation of my very own wavefile editor as a web application. It is capable of exporting a .WAV file with correctly calculated wavefile data headers as per the RIFF standard.

Code: [github.com/Skandalabrandur/hl2-phonemes-to-wav](https://github.com/Skandalabrandur/hl2-phonemes-to-wav)

Dec 2019 -  
Jan 2020

### Icelandic Anagram Engine

Created a web application which allows a user to enter a sentence, in icelandic, which then spits out an anagram. Results are sorted by word fragmentation. The algorithm automatically reduces the number of results in the result space as sentences become longer to avoid long running calculations.

See [kurte.is/anagram](http://kurte.is/anagram) for a live demo. Code:

[github.com/Skandalabrandur/icelandic\\_anagram\\_server](https://github.com/Skandalabrandur/icelandic_anagram_server)