



# SARA ÓSK ÞORSTEINSDÓTTIR

## ABOUT ME

I am a **software developer** with a bachelor's degree in software engineering and a background in front-end web development and sound technology. I am a creative and analytical thinker with a passion for building interactive applications. I am eager to tackle new challenges that make a positive impact on society.

## SKILLS:

C# · JavaScript · HTML · CSS  
Node.js · React · TypeScript  
Spring · MATLAB · Java · C  
Python · C++ · SQL · Linux  
Unity · Git · Data Visualization  
Agile Methodologies

## CONTACT INFORMATION

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## EXPERIENCE

### University of Iceland · Full Stack Developer

March 2023 –

Stack: *JavaSpring, SQL, Linux, JavaScript, HTML, CSS*

I currently maintain the Icelandic Online website as a freelancer. My main responsibilities are implementing feature requests and maintaining the server.

June 2020 – May 2021

- Developed "Icelandic Online Kids", a website aimed at teaching Icelandic to younger children in a playful and accessible manner.
- Led the UI/UX design efforts for the project, ensuring a child-friendly and interactive experience for young users.
- Collaborated with linguist professors and a graphic designer to translate educational requirements into an engaging and effective learning platform.

### Treble Technologies · Software Developer

May 2021 – September 2022

Stack: *JavaScript, three.js, .NET, Blazor, RhinoCommon, MATLAB*

- Worked on front-end development of the application, ensuring a seamless UI/UX design, optimizing code efficiency and contributing to the project's foundation.
- Collaborated closely with acoustic engineers to translate requirements into a user-friendly application interface.
- Was responsible for a sound visualization application enabling users to load 3D models from Rhino, and visualize sound wave propagation through the model, enhancing user understanding of room acoustics.

### UniSci · Workshop Instructor

March 2020 – May 2021

Taught workshops where primary school children learned about electricity by making small windmills.

### University of Iceland · Teaching Assistant

August 2019 – December 2020

Was responsible for weekly tutoring classes in maths and programming, graded weekly assignments and assisted the teacher during final exams.

### Intrix · Workshop Instructor and Organizer

August 2019 – June 2020

Organized and taught various programming workshops for children in local libraries. In addition, I hosted smartphone workshops for seniors.

## HOBBIES

I am very passionate about music, different cultures and learning languages. I love travelling and I have done cultural exchanges in the US, Costa Rica and France. I studied the classical guitar for six years and I have regularly performed live on acoustic and electric guitar with different bands and artists, including Klara Elías, k.óla and Annalísa.

## LANGUAGES

Icelandic	<div></div>
English	<div></div>
Spanish	<div></div>
French	<div></div>
Danish	<div></div>

## EDUCATION

### Aalborg University · Sound and Music Computing

2022 – 2023

Spent one year acquiring skills in data modelling, signal processing, interactive system design and sound technology, all of which were reinforced by problem-based learning. Left the program after one year to put more focus on software development.

Tools: MATLAB, C++, Unity, C#, Python, Faust, Arduino

### University of Iceland · French

2021 – 2022

Acquired a 1-year diploma in French studies.

### University of Iceland · Software Engineering B.Sc.

2018 – 2021

- Graduated with an average of 8.71/10.
- Served as a member of Röskva's marketing committee and as a mentor for exchange students.
- Edited and acted as project manager of my student society's journal in 2021, which generated over 3.8M ISK of advertisement revenue.

Tools: Java, JavaScript, Node.js, React, HTML, CSS, Git, SQL, GraphQL, C, MATLAB, R

### Menntaskólinn við Hamrahlíð · Upper secondary diploma in Science

2013 – 2017

Spent one year as an exchange student in the United States. Member of the school choir and a member of the student society's environmental committee.

## REFERENCES

**Úlfur A. Einarsson** · Front-End Development Team Lead · Treble Technologies  
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