

# Rein Gundersen Bentsdal

Electrical Engineer and Designer

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🐙 [github.com/ReinBentsdal](https://github.com/ReinBentsdal)



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## Summary

Love working broad, from nitty gritty details and technical stuff up to the user experience, aesthetics and production. Think the best products and services come from working as broad as possible, considering widely different aspects at once.

## Education

### Norwegian University of Science and Technology

Msc in Electronic System design and Innovation  
Aug, 2019 - Jun, 2025

### École Polytechnique Fédérale de Lausanne

Exchange Electrical Engineering and AI  
Jan, 2023 - Aug, 2023

## Technical Skills

C, CAD, real-time system design, web technologies, circuit design (both analog and digital), DSP, bluetooth ultra low power

## Soft Skills

Problem-solving, Teaching, Intuitive thinking, highly independent

## Languages

English, Norwegian

## Work Experience

### Wavy Industries

Founder

Jan, 2023 - Present

Music making devices. Launching our first products spring 2024

- [wavyindustries.com](https://wavyindustries.com/)

### Nordic Semiconductor

Analog Layout and Product Development

Jun, 2022 - Feb, 2023

Low energy Bluetooth integrated circuits

- IC analog layout of features in their up and coming MCUs
- Bluetooth LE Audio demo application
- Article featured on official Bluetooth website:  
<https://www.bluetooth.com/bluetooth-resources/synthesize-and-transmit-audio-using-le-audio/>

### École Polytechnique Fédérale de Lausanne

Lab assistant

Jun, 2023 - Aug, 2023

Working in the LCAV lab, on lensless imaging technologies assisted by AI

- Creating mounting systems
- Working on the software stack creating lense masks models from code

### Open Source Development

Jan, 2020 - Present

- styled\_widget, UI library for Flutter, >1200 stars on GitHub:  
[https://github.com/ReinBentsdal/styled\\_widget](https://github.com/ReinBentsdal/styled_widget)

### Consulting

Android and IOS app development

Jun, 2021 - Jul, 2023

App for exploring new cities, learning about the culture and history, learning the Norwegian language and having fun

- Developed using the Flutter framework. Published on IOS and Android
- Developed for the Department of Language and Literature, NTNU

### Military

Russian border patrol, Squad Leader

Aug, 2017 - Jun, 2019

Serviced in Kirkenes, Norway against the Russian border. Squad Leader for the logistics team in the education troop

- Received the highest possible grading from service
- Working on improving and rethinking systems and equipment usage

### Music Production

Jan, 2014 - Present

- Creating music mostly for fun, love improvisation. Played at Youth Olympic Games in 2016 and in total more than 1million streams.