

# Lasse Yori Jacobsen



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Self-motivated engineer, contributing with a valuable industry experience with a great passion for technology, entrepreneurship, innovation, goal setting, and planning of projects. I like working in groups and managing projects, especially with our own ideas.

## EDUCATION

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### **MSc Electrotechnology, Technical University of Denmark**

September 2020 – February 2023

- Include practical exercises focused on measurements, calculations, and software simulations for environmental and electroacoustics, analog and digital electronics, financial products, and startup environments.
- Projects completed include: "Implementation and measurements of a tactile feedback system for alert and immersion in cars (Collaboration with Bang & Olufsen and Harman Automotive)", "Solar powered laptop charger", "Virtual reality startup formation (VRTrain)", "IOT Sound level meter for use in offices".
- **Master Thesis:** "Development of a beamforming microphone array for estimation of precise pressure contribution from environmental noise sources" in collaboration with Höttinger Brüel & Kjær.

### **IDA Future STEM Leaders, IDA + Bain & Company**

October - December 2022

- **Modules:** Leadership, Relations, and problem + case solving.
- Chosen as 1 of 60 students to attend this course offered by IDA and Bain & Company.

### **BEng Electronics – HF communication Aarhus University**

August 2016 – July 2019

- **Modules:** Electronics, IoT, Acoustics, Programming, Stochastic and statistics, High frequency (HF) communication.
- **Bachelor Thesis:** "Characterization of E-sport headphones". Helped a startup called Acezone.io characterize and build a new headset for use in professional e-sports.

### **Business Engineer Semester, Aarhus BSS**

January - July 2020

- **Modules:** Management, leadership, and startup economics.
- **Final Project:** 'Development of electric cars smart grid system'.
- Extra semester added to the BEng with business-related courses.

## WORK EXPERIENCE

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### **Oticon – Student assistant in Hardware R&D, Smørum - Denmark**

January 2021– January 2023

Oticon manufactures hearing aids, as well as other hearing-related appliances.

- Measured balanced armatures for the development of new hearing aids, according to measurement standards.
- Built and wrote software for hearing-related use cases, both in internal use and for potential customers.
- Managed a project with building a software bank for measurements of ears all around the world. This was done with two other student assistants.

**DTU - 42634 X-Tech Entrepreneurship -Teaching assistant, Lyngby - Denmark**

February 2022 – January 2023

- I help students and groups form a startup from an idea to a real company. In my role as a TA, I help with planning, project management, and development of startups in the X-Tech course.
- I review business plans, pitches, and shareholders agreements – I also solve group conflicts and help my groups build a healthy working environment.

**DockMe – Advisory Board, Lyngby - Denmark**

October 2022 – Ongoing

- I function as an advisor in the newly founded company DockMe, which I got into during my work as a Teaching Assistant in X-Tech Entrepreneurship.
- I advise the startup with new employees, technical and teamwork conflicts, and help motivate and guide the founders in the right direction.
- DockMe is making an IoT smart solution for digitalizing harbors, and has received approximately 15.000 Euro in funding so far.

**Acezone.io - Consultant, Aarhus - Denmark**

December 2019 – May 2020

- I helped develop and influence a prototype gaming headset for the startup Acezone.io, which focuses on building a headset for professional use in E-sport.
- Measurements and selection of drivers, as well as subjective tests within the prototypes – General guidance about E-Sport.
- I acted as a link between the gaming world and the engineering world.

**Kamstrup – Student assistant Electricity meters hardware R&D, Skanderborg - Denmark**

January 2019 – May 2020

- I continued as a student assistant, developing, and debugging electronics within Kamstrup, and continued PCB development.
- I also helped with smaller engineering tasks, such as schematic proofreading, and stress testing of electricity meters.

**Kamstrup – Internship Electricity meters hardware R&D, Skanderborg - Denmark**

August 2018 – December 2018

Kamstrup produces electricity meters and water meters – All are developed and made in Denmark.

- In my internship at Kamstrup, I developed a new PCB for measuring and verifying newly produced electricity meters. I created the schematic and PCB layout for the module, as well as tested the module within given standards.
- Represented Kamstrup at internship fairs, as well as company days.

**Aarhus University – Student counselor, Aarhus - Denmark**

November 2017 – May 2020

- I guided new and current students about their engineering studies, as well as participated in student days together with Aarhus University.
- Represented Aarhus University at fairs and helped current students with their study life.

## SKILLS & OTHER

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**Computing:** Proficient in Microsoft Office, including Word, PowerPoint, Visio, and Excel. Proficient in LaTeX.

**Design software:** Proficient in MATLAB and Mathcad (Mathematical) Fusion 360 and Meshmixer (CAD design), and Proficient in Altium and KiCad (Electronics design). Intermediate in Python and C++ (Language).

**Languages:** Fluent in English and Danish, both casual and in presentations. German on an intermediate level.

**Certificates:** Scrum certificate from Systematic.

**Volunteer:** I volunteer as a stage builder for SMUKFEST, and as a freelance DJ, playing at parties and smaller events.

## INTERESTS

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Sound, Acoustics, Signal processing, Analog electronics, High-frequency electronics, Headphones, Speakers, Amplifiers, DAC converters, Weightlifting, Biking, Traveling, Smartphones, Embedded programming, PCB Design + Layout, 3D printing, Stock + Crypto trading, IoT, Microcontrollers, Sensors, Startups, Entrepreneurship, Finances.