

SALVAR ANDRI JÓHANSSON

Electrical Engineer | Medical Engineer

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SUMMARY

Solution-oriented engineer with a strong ability to learn quickly and apply knowledge effectively to solve complex problems. Experienced in teamwork and communication through active participation in student councils and unions. Adaptable, highly collaborative, and committed to exceeding expectations in every endeavor.

EXPERIENCE

- Master Thesis Student

03/2024 - 01/2025

KTH Royal Institute of Technology

Stockholm, Sweden

- Developed machine learning models to predict trauma team activation using Swedish Trauma Registry data
 - Fine-tuned an LLM and implemented an AdaBoost decision tree model for triage assessment
 - Evaluated model performance, demonstrating improved sensitivity over current triage methods
- Electrical Engineer

05/2023 - 08/2023

Visk ehf.

Reykjavik, Iceland

Automatic monitoring using computer vision

- Researched and designed a solution for a system to prevent droplet accumulation on camera lenses in industrial environments
 - Responsible for prototyping, assessment and selection of components, as well as electrical and mechanical design
- Research And Development Engineer

10/2022 - 08/2023

Heart Hackathon

Stockholm, Sweden

Total artificial heart design competition

- Participated in a team competition for the design of a total artificial heart
 - Responsible for research, selection of components, electrical design, and testing
 - Presented in ISMCS conference 2023 in Texas
- Emergency Room Clerk

10/2021 - 08/2022

Landsþítali University Hospital

Reykjavik, Iceland

The national university hospital of Iceland

- Responsible for ER patient registration, and gathering and filing of patient information.
 - Worked efficiently in a fast-paced, high-pressure environment.
- Electrical Engineer

05/2021 - 08/2021

Skákgreind ehf.

Reykjavik, Iceland

Chess software company

- Worked with signal processing.
 - [NDA].
- Library Clerk

06/2018 - 08/2020

Reykjavík City Library

Reykjavik, Iceland

- Assisted with material organization, customer service, and daily library operations.
 - Managed opening and closing, staff support, and event assistance.
- Student Organizations Board Member

02/2019 - 02/2020

University of Iceland (Háskóli Íslands)

Reykjavik, Iceland

- Nordtek Student Network.
 - University of Iceland Student Parliament.
 - Electrical and Computer Engineering Student Association.
 - School of Engineering and Natural Sciences Student Council.

EDUCATION

- Master of Science - MS,
Biomedical Engineering

KTH Royal Institute of Technology

08/2022 - 01/2025
- Bachelor of Science - BS,
Electrical and Computer
Engineering

University of Iceland (Háskóli Íslands)

08/2018 - 05/2021

SKILLS

Machine Learning · Deep Learning ·
Computer Vision · Visualization ·
Signal Processing · Data Science ·
Statistics · Git · SQL · Control Systems ·
KiCad · AutoCAD

LANGUAGES

Icelandic	Native	●●●●●
English	Fluent	●●●●●
Swedish	Beginner	●●●●●