

LOVE MEIJER

Gothenburg, Sweden

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EDUCATION

Bachelor of Science in Engineering

On Going

Chalmers University of Technology

Automation and Mechatronics

Comprehensive technical degree combining mechanics, electronics, and computer science to design, build, and manage complex smart systems.

LabVIEW Programming

Jan 2021 - June 2021

University of Gothenburg

A practical course utilizing graphical programming to interface with hardware for automated testing, data acquisition, and instrument control.

Military Service

July 2020 - Sept 2020

Swedish Armed Forces (Centre for Defence Medicine)

Completed Basic Military Training with a primary focus on facility security and surveillance. Trained and authorized as an armed guard.

Gained certifications in CPR and basic firefighting/fire safety operations.

Technical High School Diploma

Aug 2017 - June 2020

SKF Technical High School

Technology Program

Technical education with a strong industrial focus.

Completed 17 weeks of internship, including a two-month international placement in Luton (UK) focused on Kaizen and continuous improvement.

EMPLOYMENT

Production Operator

June 2019 - On Going

SKF Sweden

Production and Assembly of roller bearings.

Quality Controller

Feb 2019 - April 2019

SKF Sweden

Quality Control of Finished Product.

INTERNSHIP/TRAININGS

Kaizen Team Member

Jan 2020 - March 2020

SKF United Kingdom

Kaizen in Industrial Production.

Maintenance Technician

March 2019 - April 2019

SKF Sweden

Maintenance of Industrial, Production Equipment.

Production Operator

Oct 2018 - April 2019

SKF Sweden

Fully Automated Production of Rollers.

PROJECTS

Design and Validation of a Wastewater Level Transducer <i>Personal Project</i>	On Going
· Designed a non-contact "bubbler" level sensor using an ESP32 microcontroller to monitor black water levels, effectively eliminating sensor fouling issues. · Integrated a pneumatic air pump and differential pressure sensor to measure hydrostatic pressure, converting analog signals into precise liquid level metrics based on tank geometry. · Developed firmware algorithms on the ESP32 to control pump timing cycles and filter sensor noise for stable data acquisition. · Successfully deployed a low-maintenance prototype providing live telemetry to a local Grafana dashboard, designed for future Smart Home integration.	

SKILLS AND INTERESTS

Programming	C, MATLAB, LabVIEW, PLC, Assembly
Design Software	SOLIDWORKS, CATIA, AutoCAD, Cura/Orca Slicer
Engineering	IoT, Embedded Systems, 3D Printing, CNC (Gcode) Lean Manufacturing, Pneumatics, Circuit Prototyping
Personal	Home Automation, Automotive Restoration/repair, Fabrication Linux/HomeLab