

# Lars Halvor Hansen

Trondheim, Norway | [LinkedIn](#) | 908 09 670 | [larshalvorhansen1@gmail.com](mailto:larshalvorhansen1@gmail.com)

## EDUCATION

---

<b>NTNU   Electronic System Design and Innovation Master</b>	<b>Trondheim</b>
<i>Specialization in Space Systems</i>	<i>June 2027</i>
<b>NTNU   Economics - Bachelor's Degree</b>	<i>June 2026</i>

## EXPERIENCE

---

<b>Sony Semiconductor Europe   Digital Design Intern</b>	<i>June–Aug 2024</i>
• Developed Python/YAML to SystemVerilog UVM translation tool, automated verification processes	
<b>Disruptive Technologies   Embedded Intern</b>	<i>June–Aug 2023</i>
• Designed IoT sensor hub with Nordic nRF9160 and ZephyrRTOS, achieved significant power reduction • Developed cloud connectivity solution proof of concept for next generation product	
<b>Orbit NTNU   Systems Engineer and Electronics Engineer</b>	<i>Sep 2022–Jun 2024</i>
• Designed STM32-based OnBoard Computer PCB for BioSat CubeSat mission • Developed power budget analysis for 7+ subsystems	
<b>NTNU   Teaching Assistant in Introduction to Electronics</b>	<i>Aug–Jun 2023</i>
• Supported 200+ students, provided technical guidance during lab sessions and lectures	
<b>ShiftHyperloop   Battery Systems Engineer</b>	<i>Sep 2021–Jul 2022</i>
• Designed high-voltage battery enclosure (200V+) with integrated BMS • Engineered EMI shielding and thermal management for competition-grade hyperloop pod	
<b>Ungdomsakademiet   Private Tutor</b>	<i>Jan 2019–Jun 2020</i>
• Private tutoring in mathematics, science and English with measurable grade improvements	

## SKILLS

---

**Programming:** Python • C++ • SQL • SystemVerilog • C • Rust • JavaScript • ZephyrRTOS • MATLAB

**Software:** Altium Designer • KiCAD • SolidWorks • Adobe Creative Suite • Git&GitHub

**Languages:** Norwegian fluent • English fluent • Basic Spanish and Japanese

## INTERESTS

---

**Economic Articles** (2023–present): Publishing weekly analytical articles on macroeconomics and market trends, focusing on global development trends | [halvorhansen.no/economicoutlook](http://halvorhansen.no/economicoutlook)

**LambdaSim Project** (Jul 2024–present): Modeling relationships between economic factors using stochastic simulation methods and autonomous agent modeling | [halvorhansen.no/lambdasim](http://halvorhansen.no/lambdasim)

## REFERENCES

---

**Håvard Mellbye**, Employer, Disruptive Technologies | [havard.mellbye@disruptive-technologies.com](mailto:havard.mellbye@disruptive-technologies.com) | +47 99 32 64 52

**Jarle Steinberg**, Systems Engineer at ESA, Paris | [jarle.steinberg@orbitntnu.com](mailto:jarle.steinberg@orbitntnu.com) | +47 94 13 07 39