

Curriculum Vitae

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Work experience

2017-2019	Lead embedded systems developer (full-time employee)
2016	Internship spring and autumn semester, hardware, ARM (temporary employee, 20%)
2009-2017	Assistant, PU, Oppdal kommune (permanent employee, 15%)
2016	Summer internship, hardware, ARM
2016	Yoga assistant autumn semester, Zenit Yoga
2015	Internship autumn semester, software, ARM (temporary employee, 20%)
2015	Summer internship, software, ARM
2014	Summer internship, hardware, ARM
2007-2011	Freelance musician
2007-2008	Assistant, PU, Oppdal kommune (permanent employee, 19%)
2007-2013	Assistant, PU, Oppdal kommune (summer internship)
2005-2006	Unge arbeidstakere, Oppdal kommune (summer internship)

Education

2012-2017	Cybernetics, embedded design, MSc, NTNU
2011-2012	Engineering pre-course, HiST
2009-2011	Musicology, bachelor(completed), NTNU
2008-2009	Jazz, Sund folkehøgskule, Inderøy
2005-2008	Music, vidaregåande, Orkdal vidaregåande skule

Languages

Norwegian	Native
English	Fluent

Relevant university course experience

TFE4171	Design of Digital Systems 2 - Verification of hardware designs through SystemVerilog Assertions and SystemC
TTM4100	Communication, Services and Networks - Introduction to networks and network protocols
TDT4260	Computer Architecture - Introduction to computer architecture
TDT4255	Computer Design - Designing a pipelined MIPS processor in VHDL
TDT4295	Computer Project - Creating a computer from scratch. This includes PCB design, CPU design and FPGA implementation. I worked primarily on implementing HDMI on the FPGA, but also a bit on the PCB and CPU design.
TDT4145	Datamodeling and Databases - Learning databases and data structures
TTK4147	Real-Time Systems - Intermediate course on real-time systems
TTK4145	Real-Time Programming - Programming real-time systems with multithreading
TDT4120	Algorithms and Computer Structures - Course on algorithms
TTK4155	Embedded and Industrial Computer Systems Design - Practical course on creating embedded systems
TFE4105	Digital Design and Computers - Basics of computer hardware and logic
TDT4102	Procedural and Object-Oriented Programming - C++ and object-oriented programming
TDT4110	Information Technology - Introduction to programming and IT
TET4100	Circuit Analysis - Intermediate course on electrical circuits
TFE4100	Electric Circuits - Introduction to electrical circuits

Volunteering and other relevant experiences

2015	FPGA implementation and part of the PCB and CPU design in Computer Project, TDT4295
2015	Hardware and software designer of backup system on the CPT-Scope on the BEXUS 20/21 mission by European Space Agency
2015	Instructor, soldering course by Omega Verksted
2015	Instructor, AVR course by Atmel
2014-2015	Leader in software division, NTNU test satellite(NUTS)
2014	Instructor, AVR course by Atmel
2014	Instructor, soldering course by Omega Verksted
2013	EDB, Omega Verksted
2013	Instructor, soldering course by Omega Verksted
2013	Abot course by Atmel
2013	AVR course at Atmel
2013	Intro course for Labview

Operating systems, programming languages and tools I have experience with

Linux, Windows, Mac OS X
Vim
Python
C/C++
U-boot
Yocto
Verilog, SystemVerilog, SystemVerilog Assertions
JasperGold