
EMPLOYMENT

Electronics Engineer	Axis Communications AB, Lund Sweden	Sep. 2015 - Present
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- PCB Electronics and Schematic Designer and New Product innovation.
- Verification/testing of signal integrity and system robustness (Electrical stress testing, Thermal evaluation)
- Responsible for PCB CAD on designs.
- Electromagnetic Compability (EMC) testing and Certification.
- Agile hardware testing workflow expert.
- Product Lifecycle Management (PLM: Windchill) Software Super User.

Student. Electrical Engineer	Wayne, GE Oil & Gas, Malmö Sweden	Jun. 2014 – Sep. 2014
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- Successfully developed automated electronics testing rig using Labview and machine vision.
- Executed prototype plans for automated sensor calibration rig, Bench and testing equipment sourcing.

Intern. Electrical Engineer	Electrolux, Shanghai China	Jun. 2012 – Aug. 2012
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- R&D Engineering internship based in Electrolux Shanghai lab.
- Hardware and Android software touch interface prototype development.

EDUCATION

Lund University	Lund, Sweden	Fall 2009 – Fall 2015
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- **M.S.E. in Electrical Engineering, China Profile:** Design of Processors and Digital Systems, Faculty of Engineering: Electrical and Information Technology.
- **Graduate Coursework:** Structured VLSI Design (VHDL), Digital IC-Design (CMOS Logic implementation and simulation), DSP-Design, Micro sensors / MEMS, Integrated A/D & D/A converters, Software development of large systems.
- **Undergraduate Coursework:** Analogue and Digital Electronics, Mathematics, Physics, Numerical Analysis, Databases & Algorithms in Java.
- **Exchange:** Zhejiang University, Hangzhou China, half year cultural exchange program for civil engineers.

Zhejiang University	Hangzhou, China	Aug. 2013 – Aug. 2014
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- Chinese Language and culture exchange.
- Special exchange offer given to promising engineering students within the China profile for engineers.

PROJECTS

- **Axis Q1659:** Enterprise 20Mp surveillance camera that uses DSLR lenses. Joint project with Canon Japan
- **AXIS Q3708-PVE:** Quad HD 180° panoramic enterprise grade network camera.
- **Master Thesis:** HDMI Signal Tapping and Digital Encoding for IP Monitor Surveillance. Successful development of working prototype, surveillance on HDMI monitors over TCP/IP.
- **Personal Homepage:** <http://www.carlw.se>
- **Loan and Living calculator:** <http://www.boendekostnad.nu> (Under Construction).

ADDITIONAL EXPERIENCE AND AWARDS

- **Freelance Digital Illustrator:** Concept art for app startups, Webdesign, Photoshop paintings & Illustrations.
- **Little league Badminton Coach:** Trainer to a group of 20 boys in the range of 10 – 12 years old.

Languages and Technologies

- Mentor Graphics Pads Logic; Eclipse; Git; Cadence (Virtuoso Schematic editor, ADE L, Layout XL); Questasim; Xilinx Vivado; Matlab; Labview.
- Java; Javascript; Python; VHDL; Verilog; HTML; CSS.