

Klas Løfstedt

☎ (+61) 481704910 | ✉ hello@klaslofstedt.se | 🏠 www.klaslofstedt.se | 📱 klaslofstedt | 📄 klaslofstedt

I am a happy embedded software engineer passionate about internet of things, smart and fun everyday solutions and uprising technology. I like learning new stuff in new environments and I am always ready to go beyond my knowledge to solve a problem.

Experience

APPLICATIONS ENGINEER **TEXAS INSTRUMENTS** **NORWAY, 2016 - 2018**
Wrote SDK examples for the Bluetooth 5 stack and worked with customer designs based on the CC26xx family of wireless devices.

MASTER THESIS PROJECT **HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY** **CHINA, SPRING SEMESTER 2016**
In a collaboration between Linköping University and Huazhong University of Science & Technology I developed a Testbed for performance evaluation of IoT devices. The product was based on several Raspberry Pi's exchanging data via different wireless interfaces including WiFi, Bluetooth and ZigBee.

SOFTWARE ENGINEERING INTERN **TEXAS INSTRUMENTS** **NORWAY, SUMMER 2015**
Worked on a HID profile for BLE on the CC2650 SensorTag, using features like shake, press and tap.

PROGRAMMING VOLUNTEER **CODERDOJO** **SWEDEN, 2014**
Taught basic hardware- and software design every other weekend to raise interest for programming. CoderDojo is a global network of volunteer-led, independent, community based programming clubs for young people between 7 and 17.

Education

M.SC IN ELECTRONICS DESIGN ENGINEERING **LINKÖPING UNIVERSITY** **SWEDEN, 2016**
Strong focus on maths, physics, circuit design and embedded programming.

ERASMUS EXCHANGE PROGRAM **POLYTECHNIC UNIVERSITY OF VALENCIA** **SPAIN, 2015**
Exchange semester in Spain with focus on ARM programming and algorithms. I won the award for best quadcopter flight controller reference design. Both M.Sc- and Ph.D students were among the participants.

Skills

PROFICIENT SKILLS IN: 8-bit to ARM microcontrollers, embedded C/C++, embedded Linux, RTOS, debugging.

EXTENSIVE KNOWLEDGE OF: ZigBee, BLE, 6LoWPAN, WiFi, Git, Python, JavaScript, Node.js, MATLAB.

Honors and Awards

1ST PRIZE IN WORLD ROBOT OLYMPIAD **YOKOHAMA, JAPAN, 2008**
Regular category, for Senior High students.

HONORS OF EXCELLENCE BY THE MUNICIPAL GOVERNMENT **BORLÄNGE, SWEDEN, 2008**
For accomplishments representing my hometown in several technology and science competitions.

SCHOLARSHIPS

★ Erasmus Exchange Student Scholarship

★ Erik Johan Ljungbergs Utbildningsfond

Interests

DIY PROJECTS - TRAVELLING - SKIING - MOVIES - SOCIALIZING - GUACAMOLE