David Nilsson

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Education

2012-now	**MSc in Computer Science (theoretical track), KTH**, *Stockholm, Sweden*.
2009-2012	**BSc in Computer Science , KTH**, *Stockholm, Sweden*.
2006-2009	**Technical track, High School**, *Oskarshamn, Sweden*.

Knowledge

Languages	C, C++, Haskell, Java, Python, Verilog
Areas	Low-level software development, theoretical computer science, security, functional programming
Architectures	X86, AVR, FPGA

Work Experience

September 2014 – now

Software Engineer, *Microsoft*, Prague.
- Software (development) engineer in backend components for Skype
- Working daily on developing and maintaining large scale backend services
- Primarily dev in C++ but role covers design, implementation, review and testing

January 2014 – June 2014

Master's thesis, *Optistring Technologies AB*, Stockholm.
- Researched fault detection in solar panels
- Studied areas in anomaly detection and degradation measurements
- Innovated methods for online-detection and classification of partial shading
- Link to publication record

February 2012 – September 2013

Embedded developer, *Optistring Technologies AB*, Stockholm.
- Focus on developing next-generation solar inverters in a small but highly skilled startup.
- Design, implementation, verification, and troubleshooting of embedded systems.
- Also work with connecting systems, such as embedded linux and data feeds in python.

January 2012 – February 2012

Consultant in Embedded development, Stockholm.
- Design and implementation of embedded software, libraries och visualization tools.
- Work with RF connectivity and various sensors.

Languages

Fluent in both English and Swedish.

Other

- Portfolio with open source projects - `https://github.com/davnils`
- Blog on computer science - `http://davnils.github.com`