

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>