

# Harald Nordgren | Software Developer

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## Education

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### Faculty of Engineering, Lund University (LTH)

*Master of Science in Computer Science*

Specializing in Software development

Degree projected for spring 2016

**Lund, Sweden**

*2009 – Present*

### College of Engineering, University of Illinois

*Exchange studies*

**Urbana–Champaign, Illinois, USA**

*2013 – 2014*

### Lund University

*Film and cultural studies*

**Lund, Sweden**

*2012 – 2013*

## Master thesis

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**Title:** *Guided Transcoding for Next-Generation Video Coding (HEVC)*

**Description:** I compared methods for transmitting downscaled versions of high-quality video in more efficient ways. I investigated the performance effects of the number of downscaler taps, as well as implemented experimental algorithms for lossless bitrate reductions.

## Languages

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**Swedish:** Fluent

*Native language*

**English:** Fluent

*I studied in the United States for a year and lived with a group of American roommates.*

## Programming skills

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### Advanced

*Python, Java, C/C++, Matlab,  
Shell script, Unix terminal (git, vim,  
grep, ssh, sed, awk, redirection, pipes)*

### Basic skills

*JavaScript, HTML, LaTeX, Haskell,  
Perl regex, Batch script, Maple*

### Beginner

*Ruby, CSS, MIPS Assembly*

## References

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Printout from university grades database given on request.