

Harald Nordgren | Software Developer

Lindvägen 23 – 192 70 Sollentuna

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Education

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

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

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

Advanced

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

Basic skills

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

Beginner

*Javascript, CSS, Ruby,
MIPS Assembly*

References

Printout from university grades database given on request.

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November 25, 2015

Dear Hiring Manager,

I write to you to apply for writing my Master thesis at Intel. The announced position looks interesting and seems like something I can see myself working with in the future.

I am a high-achieving university student with a passion for programming and I have always taken an active interest in technology. I was first introduced to programming at age 14 after which I taught myself the basics of C++ and Java.

I have tailored my university education to be able to write as much code as possible and to try out many different programming languages. I have studied topics like advanced algorithm design, real-time programming and computer security, as well as assembler coding and natural language processing using regular expressions. I recently took a course in functional programming which really opened my eyes to the different ways of solving complex problems.

I am very interested in mathematics and have always excelled academically in the subject. I have knowledge in areas like algebra, calculus, statistics, numerical analysis and topology. I have been a Linux user for many years, I am comfortable with working in the terminal and I enjoy writing my own scripts.

I am a self-starter who likes personal responsibility, and I take pride in writing clear and effective code. I know how to work independently – how to search for information on my own – as well as working within a group. I am a social person that thrives in the company of others. I love to travel and would like to pursue an international career at some point.

Thanks for your time, I look forward to hearing back from you soon.

Sincerely,

Harald Nordgren