Harald Nordgren | Software Developer

Lindvägen 23 – 192 70 Sollentuna

☎ 070 – 316 89 08 • ✉ haraldnordgren@gmail.com

Education

Faculty of Engineering, Lund University (LTH) **Lund, Sweden**
Master of Science in Computer Science *2009 – Present*
Specializing in Software development
Degree projected for spring 2016

College of Engineering, University of Illinois **Urbana–Champaign, Illinois, USA**
Exchange studies *2013 – 2014*

Lund University **Lund, Sweden**
Film and cultural studies *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 effecient 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, sed, awk, redirection, pipes)*

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

Beginner *Ruby, CSS, MIPS Assembly*

References

Printout from university grades database given on request.

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January 11, 2016

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