Michele Lindroos

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Personal Data

Place and Date of Birth	Finland, June 25, 1987
Address	(undisclosed on github), Helsinki, Finland
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Work Experience

June 2012 - Current, LM Ericsson
Software Developer.

Summer 2011, Aalto University, Acoustics Laboratory
Research assistant at Research group of Paavo Alku (speech processing).

Summer 2010, Aalto University, Acoustics Laboratory
Research Assistant at Research group of Ville Pulkki (spatial sound).

Autumn 2008 - Spring 2011, Aalto University, Laboratory of Mathematics
Teacher of Basic Engineering Mathematics.

Spring 2008 - Autumn 2009, Oy Elmorex Ltd
System Developer.

Education

Master of Science (Tech.), Aalto University 2014
Major: Acoustics
Minor: Signal Processing
Study Programme: Telecommunications

Grade Point Average: 3.69

Focused on studying computing hardware, real-time systems, programming languages and stochastic processes.

Master's Thesis: Task Scheduling in Multicore Conversational Speech Processing Systems

Programming Languages

C	Excellent
C++11 and later	Very Strong
pre C++11	Strong
Java	Strong
Python	Mediocre
(Object) Pascal	Strong
(Visual) Basic	Mediocre

Scripting Languages

PHP	Strong
Tcl/Tk/Expect	Strong
JavaScript	Mediocre
Bash	Basics

Assembly Languages

MIPS	Mediocre
Freescale DSP	Mediocre
x86 (GAS)	Basics
ARM	Basics

Technologies and Expertise

Linux Kernel
Very familiar with the codebase. Especially strong knowledge of the task

scheduling architecture and algorithms.

Concurrency
Very experienced in writing multithreaded software. Familiar with synchronization primitives. Very knowledgeable in how to use and how *pthread* is implemented.

Real-time Software
Familiar with the academic litterature. Experienced in considering, measuring and tackling problems related to predictable response times.

Collaboration and Continuous Integration
Experienced in using *Git*, *Gerrit*, *CMake* and *Jenkins*.

Languages

Finnish	Excellent
Swedish	Excellent
English	Strong
Italian	Mediocre