Attila Nagy

Curriculum Vitae

PERSONAL DETAILS

Date of Birth	August 27, 1985
Address	2A Mejerigatan
	41276, Gothenburg, Sweden
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EDUCATION

MSc. Computer Science
University of Gothenburg, Sweden 2012-2014
Transcript of records is available on demand.

ERASMUS
University of Applied Sciences Ravensburg-Weingarten, Germany 2008

BSc. Electrical Engineering
Obuda University, Hungary 2004-2009

WORK

Software Engineer 2009-2012
Nokia Siemens Networks

Programming:	C/C++, Python, Perl, BASH
Testing:	CxxTest, testAnt, Jenkins
Debugging:	GDB, Valgrind, oProfile
Principles:	Scrum, Agile, TDD, KISS

Reference is available on demand.

LANGUAGES

Hungarian (mother tongue)
English (fluent)
Swedish (basic)
German (basic)

INTEREST

Technical:	functional programming
	Haskell
	free/open-source software
Sports:	rock climbing
	slacklining

WORK EXPERIENCE

Software Engineer

Nokia Siemens Networks, Budapest, Full-time 2009-2012

During my three years at NSN, I was part of two teams; both followed agile principles and aimed to incorporate scrum methodologies into the daily work. On top of that, in my last year I became the scrum master of a team of 6 people. As for the work, in my first year I mainly was occupied by unit testing using a Nokia specific language, call TNSDL. Later I moved to a newly formed team requiring more complex and deeper knowledge in the given field. My tasks in this team covered several stages of the development process including implementation, unit and functional testing, and maintenance using a wide range of programming languages, tools and protocols, such as: C++, Python, Perl, BASH, GDB, oProfile, Valgrind, CxxTest, testAnt, Jenkins and LDAP.

STUDENT PROJECTS

Master's Student Years

Thesis 2013-2014

The thesis involved an already existing low-power, low-delay, opportunistic routing protocol for wireless sensor networks implemented on the TinyOS platform using a component-based, event-driven programming language devised for embedded systems, called nesC. My task was to extend this protocol for bulk-transfer scenarios and to test it on real testbeds. Future publication on this work is highly probable.

Student Research 2013-2014

Beside the course lectures and laboratory exercises, I was part of a research project cooperating with three lecturers from Chalmers University. The project involved smart meter disaggregation and automatic classification by several classifier algorithms, mostly support vector machine, using electricity consumption data from smart grid networks.

Carolo Cup Project 2013-2014

Carolo Cup is an international student competition for self-driven miniature vehicles organized annually in Germany. During the preparation for the next competition held in February, 2014, I further experienced the merits of team work in the perspective of the team leader for the software team containing students from both Gothenburg and Chalmers Universities.

Bachelor's Student Years

Thesis 2009

Robot simulation in a 3D, OpenGL environment using C language with GLUT API.

Student Project 2008

Assembly of a remote controlled miniature car using an 8 bit Atmega micro-controller, DC motors, a Bluegiga WT12 bluetooth module and a purely mechanical miniature car. In this project, finally I had the opportunity to try out a subset of the techniques and technologies that I learned about during my lectures, namely: the design and simulation of a circuit diagram and layout using EAGEL, etching of a printed circuit board, soldering and assembly of the components.