

Tommy Persson

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Education

M Sc. Computer Science and Engineering, Linköping University, 2004-2009

Work Experience

Summer Intern

Saab Aerosystems, Linköping
June 2008 - August 2008

I worked at Saab Aerosystems during the summer in preparation of my thesis. During this time I read up on my subject and prepared my development environment. I also wrote a draft explaining my thesis and its content.

Larger School Projects

Masters Thesis at Saab Aerosystems:

Titled "Evaluating the use of DyKnow in multi-UAV traffic monitoring application," my thesis shows the results of both a functional and a performance evaluation of the knowledge-processing middleware framework DyKnow. In order to perform the tests a testing application was written using C++ and Java. Parts of the application used the Java Agent Development Framework, JADE and CORBA.

4th year Software Engineering Project:

Acted as designer and main developer during implementation of a client for an existing server application using wxWidgets and C++. The client made use of an plugin-architecture to allow third-party plugins to communicate with the server using a specified messaging protocol. The project was run using the OpenUP/Basic software development process.

3rd year Computer Engineering Project:

The project was to build and control a four-legged robot using the AVR series of microcontrollers from Atmel. I acted as a developer with the responsibility to design and write firmware for the communication subsystem as well as the corresponding listening and control PC application. The application was implemented using Python and PyGTK. The project was run using the LIPS software development process.

Extra Curricular Activities

2009 - Present Member of the board at Lysator.

Computer Skills

Programming Languages:

Good knowledge of C++. Somewhat good knowledge of Java, C, PHP and Common Lisp. Basic knowledge of Python, C#, Javascript and Scheme.

Operating Systems:

Advanced user of Linux and Windows 2000/XP systems.

Development Environments:

Comfortable with Emacs, Eclipse, Visual Studio, and many small Unix tools. Version control systems I have used include Subversion, Bazaar and Git.

Database systems:

Able to design and implement database-driven applications using RDBMS such as MySQL and Oracle.

Technical Skills

Embedded Development

Able to design and implement small embedded systems using the Atmel AVR series of microcontrollers and Xilinx programmable logic devices.

References

Available upon request.