

Rune V. Sjøen - Curriculum Vitae

CONTACT INFORMATION	Kalvatrevegen 26 4250 Kopervik Norway	<i>Phone:</i> (+47) 971-21-633 <i>Email:</i> rvsjoen@gmail.com www.twilight-zone.com
DATE OF BIRTH	01.02.1982	
NATIONALITY	Norwegian	
EDUCATION	University of Oslo, Department of Informatics, Oslo, Norway M.C.S. Informatics <i>Aug 2009 – Expected May 2012</i> <ul style="list-style-type: none">• Implementing WirelessHART on AVR microcontrollers (Masters project)• Operating systems• Programming heterogeneous multi-core architectures Bergen University College, Bergen, Norway B.C.S Computer Engineering <i>Aug 2005 – June 2009</i> <ul style="list-style-type: none">• System and software development• Operation and maintenance of computer systems Pre-engineering course <i>Aug 2004 – Jun 2005</i> Stavanger Technical School, Stavanger, Norway Information and communication technology <i>Aug 1999 – Jun 2000</i> Åkrehamn Secondary School, Åkrehamn, Norway Elementary course in electronics <i>Aug 1998 – Jun 1999</i>	
WORK EXPERIENCE	CERN - European Organization for Nuclear Research, Geneva, Switzerland <i>Network Engineer</i> June 2011 to September 2011 <ul style="list-style-type: none">• Benchmarking performance of 10GE ethernet in multi-core/multi-threaded environments. <i>Network Engineer</i> September 2009 to July 2010 <ul style="list-style-type: none">• Network monitoring, management and maintenance <i>Technical Student</i> April 2008 to June 2009 <ul style="list-style-type: none">• Design and implementation of statistical sampling in the ATLAS Trigger Data Acquisition Network• Network monitoring, management and maintenance Hydro Aluminum Metal Products IS/IT <i>IT consultant</i> Summers 2004 – 2007 <ul style="list-style-type: none">• Installation and support• Network monitoring, management and maintenance	

Internship, Information and Communication Technology **Aug 2000 – Sep 2002**

- Installation and support
- Network monitoring, management and maintenance

His Majesty the Kings Guard

Private **Sep 2002 – Sep 2003**

PUBLICATIONS

- Efficient Network Monitoring for Large Data Acquisition Systems (ICALEPCS 2011)
- Monitoring individual traffic flows within the ATLAS TDAQ network (CHEP 2009)

SERVICE

- Joomla! Project
- Active member of the Joomla! Bug Squad 2009 – 2011
 - Contributor to the Joomla! Platform and the Joomla! CMS 2010 – 2011
- Norwegian Red Cross Rescue Service
- General Manager, Norwegian Resource Centre for Water Rescue 2010 – 2011
 - Operational manager 2003 – 2004
 - Responsible for training 2002 – 2003
- Business Contact Committee, Bergen University College
- Technical manager 2006 – 2008
- NetTropolis, LAN
- Technical manager 2002 – 2003

INTERESTS

- Computers and technology in general
- Hiking, skiing, scuba diving, rockclimbing, photography

LANGUAGE SKILLS

Norwegian (mother tongue)
English (very good)

TECHNICAL SKILLS **Applications**

- Experience with the most common office productivity packages for Windows and Linux platforms. Experience using LaTeX for report generation and mathematical notation.
- Application and system profiling using the GNU Profiler and OProfile
- Code versioning and managing development using Subversion and Git
- Experience using various modeling tools for modeling software applications
- Experience using network tools and analyzers
- Some experience working with graphical applications
- Some experience with Maple/Mathematica

Operating Systems

- Proficient in the application and operation of client systems on the following platforms: Windows 9x/NT/2000/XP/Vista/7, Linux
- Proficient in application and operation of server systems on the following platforms: Windows 2000/2003 Server, Linux
- Some experience working with Novell Netware, Unix/AIX and OS/2
- Extensive knowledge about the Linux operating system

Programming

- Experience working with, C, C++, C#, Java, PHP, Python, JavaScript, HTML, CSS, XML, SQL, Bash, Regular expressions, x86 assembly
- Some experience with Scheme, Prolog, Perl, Awk
- Graphics programming using OpenGL
- GUI Programming in C++ using QT
- Low-level system programming
- Programming using multi-core architecture libraries such as CUDA and OpenCL

Networking

- Extensive knowledge of the TCP/IP protocol stack
- Experience identifying and solving network problems
- Experience working with equipment from Cisco, HP, Force10, Intel and D-Link
- Network programming and packet generation
- Benchmarking network interfaces