

TORSTEIN J. F. STRØMME

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EDUCATION

UNIVERSITY OF BERGEN

09/2015 – present

PHD, COMPUTER SCIENCE

Research Fellow in Algorithms group with teaching duties. Research interests: Computational complexity, graph theory, parameterized complexity, kernelization, graph algorithms, exact and approximation algorithms. Interim coursework average grade: A.

UNIVERSITY OF BERGEN

08/2014 – 08/2015

MS, COMPUTER SCIENCE

In-depth sequence and research in Algorithms. Teaching assistant in two courses. Thesis title: Kernelization of Vertex Cover by Structural Parameters. Thesis grade: A. Coursework average grade: B.

CARNEGIE MELLON UNIVERSITY

08/2009 – 05/2013

BS, ELECTRICAL & COMPUTER ENGINEERING

In-depth sequences in computer networks and embedded systems. Teaching assistant for three semesters. Honours Research at Intel Science and Technology Center in Embedded Computing. GPA: 3.79/4.0

Honours: University Honours, College Honours, Eta Kappa Nu, Tau Beta Pi, Dean's List (x4), Friendliest Freshman Award. Winner of Accenture sponsored programming competition.

KNARVIK VIDAREGÅANDE SKULE

08/2004 – 06/2008

HIGH SCHOOL, GENERAL STUDIES AND ELECTRONICS

In-depth sequences in mathematics (3MX) and physics (3FY). Acquired a certificate of craftsmanship in electronics production (see work experience: Roxar Flow Measurement) through the TAF programme. GPA: 5.41/6.0

Honours: Norwegian Mathematical Olympiad best in school (x2).

WORK EXPERIENCE

ABB / NORWEGIAN PETROLEUM CONSULTANTS

06/2013 – 01/2015

PROJECT ENGINEER

Installed ABB 800xA automation control system at Snøhvit LNG, including network design, configuration and troubleshooting. Sat up servers, wrote configuration scripts and programmed graphical user interfaces.

BYBANEN AS

2010 – 2012
Summers

MAINTENANCE MANAGEMENT ENGINEER

Designed and maintained a maintenance management database for a newly built light railway. Trained the maintenance personnel in use of the database.

NORWEGIAN ARMY

08/2008 – 07/2009

SIGNALMAN

Compulsory military service. Radio relay unit in infantry.

**ROXAR FLOW
MEASUREMENT**

08/2004 – 06/2008

APPRENTICE / TECHNICIAN

Apprentice in electronics production as part of the TAF programme (see education: Knarvik Vidaregåande Skule). Assembly, calibration, testing and troubleshooting of circuit boards.

VOLUNTEER ACTIVITIES

BERGEN RED CROSS

06/2013 – present

HIGH SCHOOL TUTOR

Volunteer tutor in mathematics and physics.

**CARNEGIE MELLON
FLOORBALL CLUB**

04/2010 – 05/2013

PRESIDENT / FOUNDING VICE PRESIDENT

Founded club. Led training sessions, bought club equipment, and organised social events.

**ALTERNATIVE
BREAK**

09/2009 – 05/2010

VOLUNTEER

Volunteered in Alternative Break programme at Carnegie Mellon. Travelled to Dominican Republic through Orphanage Outreach. Organised fundraisers and volunteered as teacher at the local school.

**RADIO
TABERNAKLET**

01/2004 – 06/2008

HOST / PRODUCER

Led group of 4-6 volunteers in producing a weekly radio show for youth. Also ran the show's podcast and blog. Producer and host since 01/2006, technician since 01/2004.

**TABERNAKLET
CHURCH**

01/2004 – 06/2008

SOUND ENGINEER

Did live sound for concerts and sermons. Led and trained group of 3-4 audio technicians responsible for the weekly youth sermon in 2007/2008.

**BERGEN YOUTH
AGAINST THE EU**

11/2006 – 11/2007

BOARD MEMBER

Wrote regularly on the organisation's blog.

COMPUTER SKILLS

PROGRAMMING

Java, Python, C/C++, SystemVerilog, Assembly (x86, ARM), PowerShell, Perl

NETWORK

Windows Domain Server, Active Directory, IIS Server, SNMP, DNS, VLAN configuration, IP configuration/DHCP, Static routing, OSPF, MPLS, BLSR

OTHER

LaTeX, Version Control (Git/SVN), HTML, XML, ABB 800xA, VMWare, Visio, AutoCAD, Arduino