

Employment

Software Engineer, Researcher	Aalto University	September 2011 – October 2016
--------------------------------------	-------------------------	--------------------------------------

- Adaptive Packet Size Control for 6LoWPAN (2014 - 2016)
- Analyzed fragment issue of data transmission in 6LoWPAN
 - Designed a “linear first then exponential” algorithm to improve the throughput by 40% at best
 - Published a paper on EWSN (best sensor network conference in Europe, also famous in the world)
- Multicast for Constrained Networks (2013 - 2015)
- Implemented simplified MLD on Contiki OS
 - Evaluated performance of MPL and flooding in terms of different metrics
 - Developed a simple multicast protocol for constrained network based on PIM-SSM
- MAMMoTH - Massive Scale Machine to Machine Service (2011 - 2013)
- Implemented an HTTP-CoAP mapping layer on Contiki OS
 - Deployed more than 1000 emulated and real constrained devices on the platform

Web Administrator	CSSA-Espoo ry	January 2012 – December 2015
--------------------------	----------------------	-------------------------------------

- Maintained a phpBB forum that provides information for all Chinese students in Greater Helsinki
- Created a customized WordPress website for the organization

Software Engineer	Nokia Research Center, China	May 2010 – August 2011
--------------------------	-------------------------------------	-------------------------------

- Rich Context Mobile Platform
- Designed and implemented a publish-subscribe messaging mechanism and a QT GUI on N900 device
 - Filed a patent application on inter-widget communication

Software Tester, Intern	IBM Corporation, China	June 2009 – September 2009
--------------------------------	-------------------------------	-----------------------------------

- Localization and globalization testing for Lotus Software
- Wrote a PERL script to detect empty translations of the content

Software Engineer, Intern	Nokia Corporation, China	November 2007 – December 2008
----------------------------------	---------------------------------	--------------------------------------

- Handwriting Calculator
- Developed GTK+ GUI (including formula display layout and stylus handy gestures) on Maemo platform
 - Won outstanding project award issued by Nokia Research Center

Education

Espoo, Finland	Aalto University	September 2011 – May 2016
-----------------------	-------------------------	----------------------------------

- Licentiate candidate in Computer Science and Engineering. GPA: 4.77/5
- Thesis: Enhancement of 6LoWPAN Transmission in Lossy and Low Power Networks

Beijing, China	Beijing University of Posts and Communications	September 2003 – April 2010
-----------------------	---	------------------------------------

- M.S.E in Computer Networking. GPA: 4.0/5
- Thesis: Research on Architecture of Telecom Mashup Platform. Grade: outstanding
- B.S.E in Computer Science and Engineering. GPA: 4.4/5
- Thesis: Client Implementation in Video Monitoring System. Grade: outstanding

Additional Experience

-
- Web Developer (2016): Built an e-commerce website by WooCommerce for Kanssani
 - Teaching Assistant (2015): Taught two assignments (P2P networking and indoor position by WIFI fingerprint)
 - Thesis Instructor (2013 - 2014): Instructed two master students' theses on sensor networking