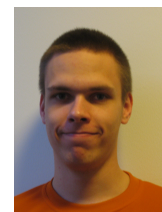


Juho Häppölä
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born in 8.3.1987, Riihimäki, Finland

CURRICULUM VITAE

27/12/12



EDUCATION

2008-2012 Student at University of Helsinki

Study program: Physical sciences, major: Theoretical physics

supplemental studies included in studies in Aalto University

2005-2011 Master of Science, Aalto University, School of Science

With distinction, Engineering physics and mathematics, major: physics, minor: mathematics

2005 Matriculation Examination, Hyvinkään Sveitsin Lukio high school

PROFESSIONAL EXPERIENCE

5/2011- Quantitative Portfolio Analyst, Fortum Trading and Industrial Intelligence

Analysis and design of hedging of power generation assets on Nordic Power Markets

9/2010-5/2011 Teaching assistant, Aalto University School of Science and Technology, Department of mathematics and systems analysis

Assisting students on "Laskutupa" open exercise sessions on physics and mathematics basic courses.

6/2010-9/2010 Undergraduate researcher, Perimeter Institute for Theoretical Physics, Waterloo, Ontario, Canada

Master's thesis research on equilibration of low-dimensional closed quantum systems.

9/2009-12/2009 Teaching assistant on continuation course on quantum mechanics, Helsinki University of Technology, Department of Applied Physics

Teaching in exercise sessions, occasional stand-in for lecturer, grading exams.

5/2009-9/2009 Research assistant, Helsinki University of Technology, Department of Applied Physics, Quantum Dynamics group

Minor research project concerning many-component fermion gases in low temperatures.

9/2008-5/2009 Teaching assistant in mathematics and physics, Helsinki University of Technology, Department of mathematics and system analysis

Assisting students on open exercise sessions for all basic physics and mathematics courses at HUT. In addition regular TA on basic mathematics course aimed at electrical engineering students.

6/2008-9/2008 Research assistant, Helsinki University of Technology, Low Temperature Laboratory, Nano theory group

Minor research project concerning Nanoelectromechanical systems resulting in bachelor's thesis.

1/2008-5/2008 Teaching assistant in C-programming, Helsinki University of Technology, laboratory of Information and Computer Systems in Automation

Duties consist mainly of teaching at practice sessions and correcting exercises.

9/2007-12/2007 Teaching assistant in mathematics, Helsinki University of Technology, Department of Mathematics

Primarily teaching at practice sessions, grading exams.

1/2007-9/2007 Secretary General of Conscript Committee, Defence Command Finland

Five months as a conscript, thereafter three additional months as a civil servant. Assignment covers various tasks pertaining to management of conscript co-operation and conferences both on national and nordic levels.

LANGUAGE SKILLS

Finnish	mother tongue
English	fluent
German	good
Swedish	good
Russian	basics

COMPUTER SKILLS

Programming and markup languages: C, Java, python, FORTRAN, MATLAB, (x)html, css, LaTeX
Administration of GNU/Linux -based servers (Apache, samba, ssh etc.)

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HOBBIES AND PERSONAL INTERESTS

SCUBA and free diving, hiking, kayaking, hunting and various other outdoor activities.

EXTRACURRICULAR ACTIVITIES, POSITIONS OF TRUST

Columnist and editor for Physicist Guild newspaper "Kvantti", 2006-2011

Chair of student body, Reserve officer course 82, Air Force Academy

MILITARY SERVICE

2006-2007 In Signals Regiment, Air Force Academy and Guard Jaeger Regiment, Rank 2nd Lieutenant (Reserve)