

RONJA ÖHRNBERG

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📍 Espoo/Helsinki, Finland

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WORK EXPERIENCE

Research assistant

CMS Collaboration, HIP & CERN

📅 January – March 2021

📍 Helsinki, Finland

- Search for charged Higgs boson

Research assistant

Division of Particle Physics and Astrophysics, UH

📅 July – September 2020

📍 Helsinki, Finland

- Hamiltonian Monte-Carlo simulation for simultaneous global inversion of astrometric observations by ESA's Gaia mission

Internship

Fujitsu Software Technologies

📅 June – August 2019

📍 Shin-Yokohama, Japan

- Building a prototype website for a chatbot analyzer

Research assistant

Atmospheric Aerosols, INAR

📅 June – August 2018

📍 Helsinki, Finland

- Analysis of PSM and NAIS long-term datasets

Internship

Climate System Research, FMI

📅 June – August 2017

📍 Helsinki, Finland

- Adsorption theory of heterogeneous nucleation: Parameter sensitivity analysis

Internship

Department of Applied Physics, UEF

📅 June 2016

📍 Kuopio, Finland

- Analyzing the sensitivity of measurement probes
- Aerosol mobility mapping

EDUCATION

B.Sc. in Theoretical Physics

University of Helsinki

📅 Sept 2017 – Ongoing

- Minor in Computer Science
- B.Sc. Thesis topic: Higgs Mechanism and Two-Higgs doublet model, approved with grade 5/5

Bilingual International Baccalaureate Diploma Program

Helsingin Suomalainen Yhteiskoulu

📅 August 2015 – June 2017

PROGRAMMING SKILLS

Python	<div><div></div></div>
R	<div><div></div></div>
Fortran 90	<div><div></div></div>
LaTeX	<div><div></div></div>
Matlab	<div><div></div></div>
Java	<div><div></div></div>
HTML	<div><div></div></div>
JavaScript	<div><div></div></div>
C/C++	<div><div></div></div>
GNU Bash	<div><div></div></div>
QlikView	<div><div></div></div>

Data-analysis

HPC

Microsoft Office

UNIX-like and Windows environments

Emacs Lisp

Git

Octave/Mathematica

LANGUAGES

English	<div><div></div></div>
Finnish	<div><div></div></div>
Swedish	<div><div></div></div>
French	<div><div></div></div>
Japanese	<div><div></div></div>
Chinese	<div><div></div></div>

POSITIONS OF RESPONSIBILITY

Chairperson

Finnish Association of Physics and Mathematics Students, SMFO ry

📅 2020 – 2021

📍 Finland

Chairperson

IntegraatioFest-committee

📅 2020 – 2021

📍 Helsinki, Finland

- Chair of a committee organizing a conference for the Finnish students of mathematics and physics.
- Because of coronavirus pandemic, the event (originally planned for 2020) was postponed to 2021.

Student representative

Different groups and committees

📅 2020 – Ongoing

📍 University of Helsinki, Finland

- Administrative committee of the discipline-specific funds of the Kumpula campus (2020 –)
- Theoretical and Computational Methods MSc Programme executive group (2021 –)

Deputy student representative

Different groups and committees

📅 2019 – Ongoing

📍 University of Helsinki, Finland

- Faculty Council, Faculty of Science (2020 –)
- Representative Council of the Student Union (2019 –)
- Physical Sciences B.Sc. Programme executive group (2019 –)
- Particle Physics and Astrophysical Sciences MSc Programme executive group (2019 –)

Member of board

Resonanssi ry, a student organization for students of Physical Sciences

📅 2018 – Ongoing

📍 University of Helsinki, Finland

- Other responsibilities: collaboration with other student organizations, updating the website, harassment contact person, member of the study affairs committee, chair of the corporate collaboration committee

Vice chair

Finnish Association of Physics and Mathematics Students, SFMO ry

📅 2019

📍 Finland

Also other positions of responsibility not specified here.

TEACHING EXPERIENCE

Teaching assistant

University of Helsinki

📅 Various courses

- Course: Quantum physics applications II - Condensed matter and elementary particles (September – October 2020)
- Scientific Computing I (October – December 2019)

HOBBIES

- Kashima-Shinryū (鹿島 神流)
- Gym/running/cycling, depending on season
- Reading
- Knitting and crocheting
- Houseplants
- Movies
- Effective Altruism related things
- Non-profit organization stuff