RONJA ÖHRNBERG

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♀ Espoo/Helsinki, Finland

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github.com/ronjaohrnberg/

WORK EXPERIENCE

Research assistant

CMS Collaboration, HIP & CERN

P Helsinki, Finland

• Search for charged Higgs boson

Research assistant

Division of Particle Physics and Astrophysics, UH

₩ July - September 2020

• 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

P Helsinki, Finland

 Adsorption theory of heterogeneous nucleation: Parameter sensitivity analysis

Internship

Department of Applied Physics, UEF

Kuopio, Finland

- Analyzing the sensitivity of measurement probes
- · Aerosol mobility mapping

EDUCATION

B.Sc. in Theoretical Physics

University of Helsinki

Sept 2017 - Ongoing

- Minoring 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

Data-analysis

HPC

Microsoft Office

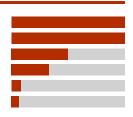
UNIX-like and Windows environments

Emacs Lisp | Git

Octave/Mathematica

LANGUAGES

English Finnish Swedish French **Japanese** Chinese



POSITIONS OF RESPONSIBILITY

Chairperson

Finnish Association of Physics and Mathematics Students, SMFO ry

2020 - 2021

♀ Finland

Chairperson

IntegraatioFest-committee

2020 - 2021

- 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

Q 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 2019

• Finland

Also other positions of responsibility not specified here.

TEACHING EXPERIENCE

Teaching assistant University of Helsinki

Warious 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