

RONJA ÖHRNBERG

Theoretical Physics Student

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📍 Espoo/Helsinki, Finland

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WORK EXPERIENCE

Research assistant

University of Helsinki

📅 July 2020 – Ongoing

📍 Helsinki, Finland

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

Internship

Fujitsu Software Technologies

📅 June 2019 – August 2019

📍 Shin-Yokohama, Japan

- Building a prototype website for a chatbot analyzer

Research assistant

Institute for Atmospheric and Earth System Research, INAR

📅 June 2018 – August 2018

📍 Helsinki, Finland

- Analysis of PSM and NAIS long-term datasets

Internship

Climate System Research, Finnish Meteorological Institute

📅 June 2017 – August 2017

📍 Helsinki, Finland

- Adsorption theory of heterogeneous nucleation: Parameter sensitivity analysis

Internship

Department of Applied Physics, University of Eastern Finland

📅 June 2016

📍 Kuopio, Finland

- Sensitivity of measurement probes
- Aerosol mobility mapping

EDUCATION

B.Sc. in Theoretical Physics

University of Helsinki

📅 Sept 2017 – Ongoing

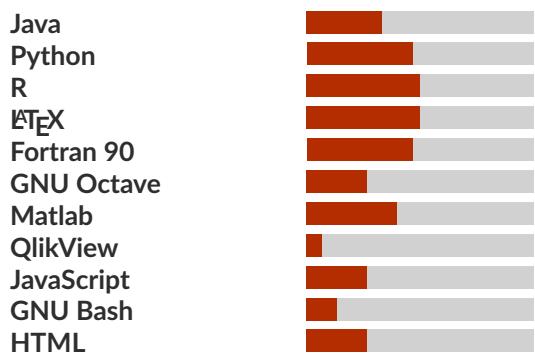
- Minoring in Computer Science
- B.Sc. Thesis topic: Higgs Mechanism and Two-Higgs doublet model, approved with grade 5/5

Bilingual International Baccalaureate Diploma Program

Helsingin Suomalainen Yhteiskoulu

📅 August 2015 – June 2017

PROGRAMMING SKILLS

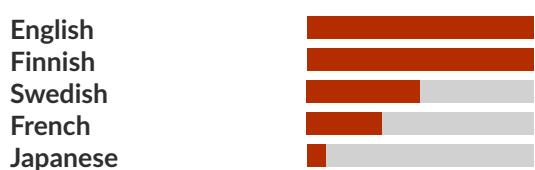


Data-analysis HPC Microsoft Office

UNIX-like and Windows environments

Emacs Lisp Git

LANGUAGES



POSITIONS OF RESPONSIBILITY

Chairperson

Finnish Association of Physics and Mathematics Students, SMFO ry

 2020

 Finland

Chairperson

IntegraatioFest 2020 -committee

 2020

 Helsinki, Finland

- Chair of a committee organizing a conference for the Finnish students of mathematics and physics.

Student representative

Administrative committee of the discipline-specific fund of the Kumpula campus

 2020 – Ongoing

 University of Helsinki, Finland

- Representing the student body in the decision-making on the grants, prizes and scholarships awarded by the University's funds.

Deputy student representative

Different groups

 2019 – Ongoing

 University of Helsinki, Finland

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

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

TEACHING EXPERIENCE

Teaching assistant

University of Helsinki

 September 2020 – October 2020

- Course: Quantum physics applications II - Condensed matter and elementary particles

Teaching assistant

University of Helsinki

 October 2019 – December 2019

- Course: Scientific Computing I for freshmen

HOBBIES

- Kashima-Shinryū (鹿島神流)
- Gym
- Cycling
- Reading
- Houseplants
- Video games
- Effective Altruism related things
- Non-profit organization stuff