

Magnus Berg Sletfjerding

Curriculum Vitæ

Work Experience

- 2019 - present* **University of Copenhagen** - 3+5 Ph.D. Student at the Section for Chemical Biology
- Using tree-based methods to classify particles with complex mixtures of fluorophores.
 - Using ConvNets with LSTMs on smFRET time-series to classify and sort microscopy data.
 - Using Hidden Markov Models on smFRET time-series to model enzymatic catalysis
 - Instructing 2nd year BSc students in data analysis in the course *Nanobiology 1*
- 2019 - present* **MAN Energy Solutions** - Student Assistant in Machine Learning
- Using Statistical methods to analyze microscopy images.
- 2018* **Vangshaugen Tourist Cabin** - Seasonal Staff
- Part of a 4-person staff maintaining and running a Tourist Cabin for the Norwegian Tourist Association for 5 weeks
- 2016, 2017* **BioMar A/S** - Back Office Summer Intern in Procurement
- Updating SharePoint, Excel, and M3 databases with biochemical analysis results for shipments
 - Maintaining Excel spreadsheets and assisting in preparing Q3 reports
 - Taking minutes at multilingual phone meetings in the Back Office department

Education

- 2018-present* **University of Copenhagen**, Master of Science in Nanoscience.
- Cumulative GPA: 11.0
 - Electives:
 - Physics of Non-equilibrium Biological Systems
 - Inverse Problems (Niels Bohr Institute)
 - Advanced Methods in Applied Statistics (Niels Bohr Institute)
 - Large-Scale Data Analysis (Institute of Computer Science)
 - Nanobiotechnology (Sino-Danish Research Centre)
 - Exchange Semester - University of the Chinese Academy of Sciences, Beijing, 2018.
- 2015-2018* **University of Copenhagen**, Bachelor of Science in Nanoscience
- Thesis: Barcoding of subresolution particles in a single-particle regime. Grade: 12
 - Cumulative GPA: 9.16
- 2013-2015* **Trondheim Cathedral School** International Baccalaureate, Bilingual Diploma Programme
- Higher Level Subjects: Chemistry, Physics, Mathematics, English Literature
 - Final exam score: 39 pts
- 2011-2013* Seven Lakes High School, Katy, Texas, Distinguished Achievement Plan

Extra-curriculars

2016-2020	The European Youth Parliament Denmark	Co-Founder, Board President, Treasurer, Accountant, Trainer
2014-2016	The European Youth Parliament Norway	Chairperson, Project Organizer, Journalist, Media Team Editor
2019-2020	Norwegian Society of Graduate Technical and Scientific Professionals	Student Contact, Head of Copenhagen Branch
2019	Ernst and Young Talent Training	Participant
2018		Student Representative for Nanoscience, Sino-Danish Center, Beijing
2015-2018	Association of Norwegian Students Abroad	- Student Contact
2016-2018	Hørhus Kollegiet	Sauna Committee Chairman, Bar Committee Chairman

Skills

- Python (Keras, Sklearn) fluency
- Organizational development
- M3, SharePoint databases
- bash
- Multicultural communication

Talks given

- **1st Norwegian Nano Symposium**, 2019, NTNU, Trondheim, Norway - The role of conformational dynamics in protein function.

Languages

English, Norwegian, Danish	Bilingual Proficiency
Spanish	Limited Working Proficiency
Mandarin	Basic