David Høeg

He/him

Student at UiO,
Physics and Astronomy



Personal info

- 25/04/2006
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- Tønsberg,Norway

Links

- /Xantrixmedia
- /David-Høeg

Skills

- LaTeX, Python, Arduino, Fusion360
- Email Marketing, Writer
- Adobe Lightroom, Premiere Pro
- Urban and Wild Photography
- S.M.A.R.T.
- Confidence, Curiosity

Grade scale Norway: (6) Very good, (5) Good, (4) Satisfactory, (3) Acceptable, (2)Sufficient, (1) failed

Grade scale GCSE: (9) Brilliance, (8) Very good, (7) Good, (6) Satisfactory, (5) Acceptable, (4) Sufficient, (3, 2, 1) Failed

Work Experience

Portal Space
Project lead | Structures lead

Sep 25 – Nov 2025 | Nov 25 – current

- Core impact:
  - In-House Engineering Execution and Authenticity
  - Responsibility, Leadership and Trust
- High-impact engineering leader responsible for the end-to-end management of the Structures Department.
- Expert in coordinating complex design-to-construction pipelines, keeping an oversight of project data and milestones.
- Design to construct structural/aerodynamic engineering

Wimbledon All Enland Lawn Tennis Club
Junior Assistant to the BBGs - 3 weeks every summer

Jun 25 – Jul 2025

- Looking after the welfare and safety of the BBGs
  - First Aid situations
  - Safeguarding issues and concerns
- Marking and giving feedback to teams on court
- Working in a team of assistants to cover all courts assigned, and mark all 41 BBG teams.
- Making sure the BBGs uphold the standards and discipline they are known for.

Wimbledon All Enland Lawn Tennis Club
Ball Boy (BBG) - 3 Weeks every summer

Jun 2022 – Jul 2024

- The skills displayed by BBGs:
  - Technical skills: Rolling and Feeding
  - Mental skills: Patience and awareness
  - As a BBG you need the strength of an athlete, intelligence of a player, and the agility of a gymnast.
  - 3 core values: Discipline, Diligence and Determination
- Bag Boy for N. Kyrgios, finals 2022
- Boys Finals 2023, Henry Searle vs Yaroslav Demin
- Ball boy for all top 20 tennis players at the time

New Horten High School
Deputy Head and secretary of the Student Council

Aug 2024 – Apr 2025

- In charge of economics
- Helped further develop a SMART council
- Helped re-define and -write the council policies, together with the Headmaster and Head of the council.
- Interviewed about school environment

Education

Physics and Astronomy, University of Oslo (Bachelor's Degree)

Norway, Oslo Aug 2025 –

Degree: Fluid Dynamics

Grade: average B

Subsidiary subjects:
In-depth study:
Thesis subject:

A-levels, Science Course, New Horten High School

Norway, Horten Aug 2022 – Jun 2025

Degrees: Norwegian Vitnemål

Exam Grades: French - 4, Norwegian W. - 5, Norwegian S. - 5, Religion - 6
Grade average: 5.8

Project in Technology and Research Sciences: Pollen analysis dating 10.000 years.

GCSE, Raynes Park High School

London Sep 2020 – Jun 2022

Degree: GCSE (Geneal Certificate of Secondary Education), AQA and EdExcel

Grades: 8 (Physics), 8 (Maths), 7(Chemistry)

Elective Courses: Tripple Science, Geography, Art, French

Projects

CanSat

Technology and Research Science 1 2022

This project had as an aim to build a "satellite" (by definition: an object that moves around a larger object(e.g. The time falling)) that could measure different variables: Temperature, Pressure, UV, and Velocity, as it fell towards the ground.

Arduino, Parachute physics, Soldering

Pollen Analysis

Technology and Research Science 2 2023

The Pollen Analysis project focused on the vegetation differences after the last ice age, especially in tree sorts. By counting pollen remains in swamp samples, evenly collected from specific heights, it was possible to show a correlation between vegetation and climate changes.

Microscopy, Report Writing

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Languages

- Norwegian (Mothertongue)
- English (Fluent)
- French (Partial)

Certificates, Verifications, Badges and Prizes

2018	Scout Leader Camp 1
2021	Senior Prefect
2021	Most respectful student
2021	Geography, Certificate of excellence
2022	Student Librarian
2025	Norwegian physics Olympiad round 2
2025	Safeguarding verification
2025	Prevent Awareness certificate
2025	DBS check completed
2025	Runner up, Ivar Giæver Physics prize

Hobbies

- Photography
- Piano
- Calisthenics
- Reading
- Writing and DnD

M.E.R.I. Marine Energy Research Integration

MERI 2023

Marine Energy Research Integration, is a Nordic sustainability project with the aim to increase sustainable energy in marine areas. Working with research groups on the future of sustainable engineering has further presented the need for multiple systems: wave, tidal, wind and solar power in combination. I led discussions on the possibility of covering city roofs in solar panels to free up farmland and increase energy output, and a potential currents-based energy system.

Public speaking

Evolutionary principles on paper planes

The Big Bang Competition, Private 2025

This project looks at the link between the colouration of a body, and its aerodynamic properties. Using natural processes as inspiration, the hypothesis that certain designs can influence flight patterns of lifting bodies was tested through the use of paper aeroplanes.

Thermodynamics, Aerodynamics, Report Writing

Aerodynamic properties of paper planes

Physics 2 2025

The project was conducted to test the aerodynamic properties of planes using paper planes. It was paid attention to how the weight distribution and wing design changed these properties. Through the experiments three designs were used: Suzanne, the Phoenix, and the Classic Dart.

Origami, Aerodynamics, Report Writing

Conferences

Political

Fylkestingets Ungdomsråd, Vestfold 2024

CAD/simulations

Ansys conference, Gothenberg 2025

Space

Norstec Summit, Trondheim 2026