



Zoé Cord'homme

Research assistant in Industrial Ecology at NTNU;
Creative, curious and resourceful engineer.

CONTACT

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NORWAY

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SKILLS

SOFTWARE/PROGRAMMING:

Microsoft Office : Proficient
Excel, Powerpoint, Word

Python, Matlab : Proficient

Photoshop, Illustrator :
Good

LANGUAGES :

French : Native speaker

English : Fluent
TOEFL 106/120
TOEIC 990/990

Spanish : Basic notions

Japanese : Basic notions

VOLUNTEERING

Restore (Trondheim)
encouraging reuse of furniture
among students, fixing bikes
and furniture.

L'Autre Cantine (Nantes)
cooking and distributing meals
for refugees.

INTERESTS

Sports: horse riding
(competitively for 15 years),
cycling, rock climbing.

Photography
zocphoto.tumblr.com
Sewing, painting, drawing

WORK EXPERIENCE

○ **NTNU** : Norwegian University of Science and Technology, Trondheim, Norway
09/2023 - 12/2023
— **research assistant in Industrial Ecology** with Pr. Daniel B. Müller: writing a publication on building lifetime to publish in a peer-reviewed journal.
— **student assistant in Material Flow Analysis**: helping, grading, and giving feedback to masters students taking the course.

○ **RATP** : Autonomous Parisian Transportation Administration, Paris, France
04/2022 - 08/2022
— **mechanical engineer** (internship) modelling 1D collisions between trains using Matlab.
— development of a Matlab software calculating the effects of collisions between two trains with different properties.
— research in shock and traction components.

○ **Sound of Brit** : Online magazine specialized in British music, French website
2017 - 2018
— **reporter and photographer** reporting musical events

EDUCATION

NTNU - Exchange year : NTNU, Trondheim, Norway
2022-2023
— completed a one year exchange in NTNU.
Master project and thesis as part of the Industrial Ecology master, with specialization in **Material Flow Analysis**.
Master thesis: **Lifetime analysis of historical buildings in Trondheim**

Centrale Nantes - Engineering degree : Ecole Centrale de Nantes, France
2020 - 2022
— engineering student at Ecole Centrale de Nantes : a highly selective French school of engineering conferring a diploma equivalent to a master's degree
second year specialization in **Propulsion and Transportation**
content: climate change mitigation, thermodynamics, turbomachines, fluid mechanics, algorithmic, continuum mechanics, mathematics...

Classes préparatoires : Lycée Michelet, France
2018 - 2020
— a two year intensive course in Mathematics and Physics, preparing for the national competitive entry examination for French schools of Engineering