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1007, Lausanne
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LINKS

- <https://matheus-bernat.github.io/>

LANGUAGES

Portuguese, Swedish:
Native language

English: C2
Proficient

French: B1
Intermediate

MATHEUS V. BERNAT

PROFESSIONAL SUMMARY

Hard-working last year master student with cumulated GPA 4.8/5.0, current exchange at EPFL for study year 21/22. Interested in pursuing a PhD in research fields of Computer Vision, Machine Learning and Signal Processing. Working experience at both academia and industry. Outside of school, I spend a lot of time following sports and F1!

EDUCATION

Msc: Signal And Image Processing **Linköping University**, 01/2023

Exchange: Signal And Image Processing **EPFL**, 01/2023
Exchange year (Msc 5th year)

Bachelor: Computer Science And Engineering **Linköping University**, 06/2020

SKILLS

- Python, C++, MATLAB.
- Python libraries: Pandas, Pytorch, OpenCV, Numpy.
- ROS.
- Mathematical modeling, statistical data analysis.
- Computer vision: 3D reconstruction, image classification, tracking.

RELEVANT COURSEWORK & PROJECTS

- Computer vision, neural networks, machine learning, applied data analysis, statistics for data science, bayesian networks, visual intelligence, image processing.
- Driverless team at LiU Formula Student, NLP team at Robocup@Home at FIA robotics.

WORK HISTORY

November 2019 - Current **Linköping university - Course Assistant**,
Linköping, Sweden

Coaching 300 3rd year undergraduate students through the MATLAB computer labs of the courses Signals and Systems and Elements of AI.

June 2021 - August 2021 **UMS Skeldar - Engineering Intern**,
Linköping, Sweden

Achieved mathematical model of sea and ship motion using physical modeling, control and simulations in MATLAB.

June 2020 - August 2020 **Veoneer - Software Engineer Intern**,
Linköping, Sweden

Developed and bug-fixed one of Veoneer's internal websites and the front-end of a new "Follow-my-commit" for the company's developers using Vue.js.