

Akira de Broche des Combes

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ABOUT ME

Currently a third-year Mechanical Engineering student (CMI track) at Sorbonne University.

Skills strengthened from an early age through an early passion for programming.

Active involvement in engineering-related hobbies to broaden my practical knowledge.

EDUCATION

Lycée Bossuet Notre Dame

17 rue Yves Toudic, Paris, 75010

2020– 2023 ; Baccalauréat in Mathematics/Physics, with honors (Bien).

Sorbonne Science

4 Place Jussieu, Paris, 75005

2023 - present ; Master's Program in Mechanical Engineering (CMI track).

SKILLS

Computer Science

RoboticToolbox

FTP & SSH

LaTeX

Python (advanced)

C#, Java & C (basics)

Catia

Photoshop

LANGUAGES

English

Cambridge C1 Advanced (199/210)

Obtained in 2022

French

Native language

EXPERIENCE

GV Lab

University of Tokyo ; 3 weeks, July 2023

Enriching internship focused on robotics research and the use of tools such as RoboDK, Robotics Toolbox (Python), and Dynamixel motor systems.

Active participation in an ongoing study on robot scent, involving programming animations and setting up the experiment for public interaction.

Société du Canal de Provence

Le Tholonet, Aix- en-Provence; 6 weeks, June 2024

Internship focused on defining requirements and sourcing for predictive maintenance software for tunnels. Worked on constraint analysis, drafting specifications, and understanding operational expectations.

In parallel, participated in the design of a cleaning head. Studied mechanical solutions, considered environmental constraints, and proposed technical improvements.