



Pereira de Magalhaes David

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Master in Information and Computer Sciences Student

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EDUCATION

•Lycée Mathias Adam

2015-2018

TE-ALL

•Lycée Mathias Adam

2018-2022

Section Générale Ingénieur (GIG)

•University of Luxembourg (University of Namur Exchange Semester)

2022-2025

Bachelor in Computer Science

•University of Luxembourg

2025-Present

Master in Information and Computer Sciences

EXPERIENCE

•Costantini SA

Manoeuvre (Summer Job)

2019-2025

- Assisted with on-site construction logistics and equipment handling
- Developed teamwork and time management skills in a high-paced environment

PERSONAL PROJECTS

•MicroK8s Cluster (HomeLab)

pearlabs.dev

Running multiple applications on a self made dual node MicroK8s server.

- Tools & technologies used: Ubuntu Server, MicroK8s
- Designed and deployed a Kubernetes HomeLab using MicroK8s on Ubuntu Server with repurposed laptop hardware and a custom-built case as the worker-only node and an HP ProDesk as the controller + worker node.

SKILLS AND INTERESTS

Languages:

Portuguese (Native)



Luxembourgish



French



English



German



Programming Languages:

Python, JavaScript, Java

DevOps & Infrastructure:

Linux, Docker, Kubernetes, MicroK8s

Frameworks & Tools:

ROS, FastAPI, React, React Native

Databases:

Firebase, SQLite

Version Control:

Git, GitHub

Hardware & Embedded Systems:

Raspberry Pi, DJI Tello Drone, Sensors, GPIO

CAD & Digital Fabrication:

3D Printing (FDM), 3D Modeling (Fusion 360)