



## Pereira de Magalhaes David

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Master in Information and Computer Sciences Student

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pearlabs.dev

## EDUCATION

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### •Lycée Mathias Adam

2015-2018

TE-ALL

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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

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### •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

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### •MicroK8s Cluster (HomeLab)

pearlabs.dev

Running multiple applications on a self made single 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.

## SKILLS AND INTERESTS

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### 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)