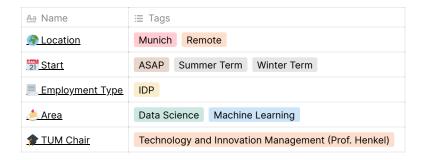


#### Quick facts







Pina's mission is to protect our forests by quantifying and rewarding sustainable forestry.



## Why we do what we do

European forests are dying due to the consequences of climate change, namely droughts, storms, and beetle infestations. A potential way of fighting this is to adopt more **sustainable forest management** practices, however these can be very costly.

But there is a way to financially reward forest owners for their adapted management measures: They can sell the carbon stored through their measures via the **voluntary carbon market**. To facilitate this, forest owners need to know how much carbon is stored in their forests now and how **carbon stocks** change over time. However, tracking carbon stocks and getting certified for the sale of carbon credits is expensive, lengthy, and requires expert guidance.

This is where Pina comes in: We aim to **digitalize** the manual process of **forest certification**. We replace manual project documents with intuitive software and use **remote sensing technology** (drone and satellite data) to accurately measure and monitor forest carbon stocks. This reduces complexity and costs and makes the voluntary carbon market **accessible to more forest owners**.

# 😯 About the opportunity

We're currently running our first pilot projects to gather data (manual measurements, LiDAR- and satellite data). Afterwards, it's your turn. Here is a short overview of what we're trying to achieve together with you:

- Train classification and regression models with satellite images and LiDAR data to assess forest biodiversity and biomass
- · Test, benchmark, and optimize Al performance
- · Implement 3D segmentation algorithms for LiDAR point cloud data
- Build a data- and analytics-pipeline to enable future automation of this job

## 👉 What you should bring

- · Solid knowledge of programming in Python/C++
- Experience with Deep Learning frameworks such as TensorFlow, Pytorch, or Keras (3D/point cloud data is a plus)
- · Love team-work, pair-programming, and curiosity for the new
- · Comfortable with taking ownership

# 😎 How we'll work together

- · Work hand in hand with experienced developers
- · Work in an agile environment at an award-winning startup
- · Apply your knowledge to the real world and see your impact first hand
- · Shape the future of Pina together with us



## Who we are

We - Flo, Gesa, and Jonas - are a young, tech-first, and mission-driven team of engineers, growth managers, designers, and researchers who studied at CDTM, LMU, TUM, and UC Berkeley and worked in high-growth startups, sustainability & management consulting, as well as academia. We recently joined forces to tackle one of the most pressing issues the world is facing today: Climate change and its impact on European forests.



### **Gesa Biermann Business**

M.Sc. Sustainability Science

Prev. CDTM Mgmt Team, Co-Founder 180 Degrees Consulting Munich



### Florian Fincke

Product

M.Sc. HCI

Prev. Lead Fullstack Developer (ORDA, Alasco), CDTM Alumnus



### Jonas Kerber

Tech

M.Sc. Robotics & AI

Prev. Automated Driving (BMW Mountain View), CDTM Alumnus



# Why us?



Join a young tech startup combating one of THE problems of our time: Climate change



Join a team of passionate entrepreneurs and work with us in a fun, flexible, and dynamic environment



Seize the opportunity to become one of Pina's key full-time employees after your studies

