IDP: AI-supported Development of Electronic Systems

👉 **Apply here**

luminovo.AI

🤝 Your Role

Luminovo's vision is to transform the value chain of the electronics industry end-to-end. With LumiQuote we launched our very first solution for one of the most pressing problems in the industry, addressing the workflows at EMS companies.

We have set ourselves the goal of reaching one million electronic products with our software by 2025.

🎯 Performance Objectives

We're looking for an IDP-group to join Luminovo as we team up with ProgressivKI - the BMWi research project for AI-supported development of electronic systems. As a team you will have the opportunity to work directly with one of our senior engineers. Below you'll find a list of things you and your team will be responsible for:

- Implement and analyse a machine learning model with PyTorch to classify correct layers and outlines of Gerber files (a data exchange format for printed circuit boards)

- Proactively research relevant recent publications and tooling to build the best possible ML pipeline

- Setup tooling (such as Labelbox or Label Studio) for a data-first ML approach (label data, train ML models, identify data gaps, repeat)

- Bonus: if you're successful, your project could also include setting up the MLOps tooling for deployment and inference, getting your model all the way to production and in front of our users

Besides that we seek

- Strong communication skills in writing and in person in English

- Have an interest in and be open to learning about the technical aspects of the electronics in general, but especially the EMS industry and what we do

- Have a structured approach to solving problems, and always validate your hypotheses using data

- Be proactive, committed, and put solutions over problems

🧠 Skills, Knowledge, and Expertise

Just so you know - we purposefully did not create a standard list of minimum qualifications for this role. We care much more about your motivation and ability to help us accelerate technical progress than we care just about your CV. If you're interested to find out more about why we banned requirements from our performance profiles - see here.

Important note: For an IDP, you have to be enrolled at Technical University Munich. If you are not, please apply for our Tech Talent Wanted position.

💻 Your IDP

Here are some more facts about your project study at Luminovo:

- Start: as soon as possible, (please indicate if you want to join with a fellow student and your preferred starting date)

- We do regular 1:1s, retrospectives, etc. to make sure we are constantly getting better at what we do.

- On the same note: we value psychological safety and honest feedback a lot! As a project study student, as much as a full-time employee, we expect you to speak up and share your ideas about what we can improve within the company. You can be part of any discussion at Luminovo.

- We do regular virtual and on-site company events (we're talking about going to Eibsee in the summer, a mandatory visit to Oktoberfest in September or doing rather severely at virtual pub quizzes).

- We have a star-studded organization, with each team member having access to an extensive network. Furthermore, we're always excited to help our interns build on their knowledge via access to our network.

- We have a very active #random channel on Slack and regularly enjoy lunch together.

- Our office is cozy, and located in the center of Munich (Schellingstraße 29)! Feel free to visit as well our Luminerds across Europe and Africa - from Helsinki to London, to Lagos, to Nairobi.

⁉️ About Luminovo

At Luminovo, we are solving a big problem in an even bigger industry: automating collaboration in the electronics industry. Our software brings innovations faster to everyone by reducing the time and resources needed to go from an idea to a market-ready electronic product. Read more about why this is exciting here!

So far, **50+ active customers** and **30+ product partners** in Europe and the US are working with us towards the same goal. 💡

To fuel our strong growth and continuous, we have **raised a total of €13.5 million**, from our investors Chalfen Ventures, Tencent, Verve Ventures, Cherry Ventures and La Famiglia VC. 💰

We are a mix of product enthusiasts, people advocates, business masterminds, and engineering experts. Our current team not only includes graduates from institutions such as Stanford University, University of Cambridge, ETH Zurich, WHU, TUM, and CDTM, but also motivated individuals with rather unconventional CVs who are burning for what they do.

We are a remote-first company headquartered in Munich. Our brilliant team is spread across London, Skopje, Lagos, Lisbon, and Verona. 🌍

Our main objective is to put people first and to build great things. *We provide an authentic environment that empowers all Luminerds from various backgrounds to prosper, succeed, and make a difference. We explore curiously who our people are, what they excel at, and what makes them unique. Combined, our individual uniqueness drives our success as a team.*

Check out our socials: LinkedIn, Facebook, Instagram, Crunchbase, and Glassdoor