

# Neural Network (NN) Engineer

Minds.ai (pronounced as mind's eye) is a deep learning consulting company. We design, develop and train custom neural networks to solve customer problems. Our teams are centered around Amsterdam (the Netherlands), Bangalore (India) and Santa Cruz, California (USA). We are location agnostic, and team members regularly work together from remote locations. We are a small, but growing family of hand-selected experts.

## Culture at minds.ai

The goal at minds.ai is to tackle interesting customer problems. We have a supportive environment that encourages our engineers to expand their knowledge and capabilities. We value excellent engineering skills and a drive to learn. We consider these traits as important as having prior neural network experience. Senior engineers regularly provide informal instruction to junior engineers.

We believe in extreme transparency. Every one of us in minds.ai knows the general direction of the company, current, and future customer prospects, commercial terms, etc. This enables every one of us to influence the course of the company. Debate and discussions are heavily encouraged. The minds.ai value statement is not a bunch of words but is a living document that guides all our decisions.

As most of us work in remote locations, we put great emphasis on frequent communication. In addition to regular video chats, we strive to meet in person once a year with families. We just had our first meeting of all team members and their families in the Netherlands.

## What will you do at minds.ai

Analyse customer problems and build end-to-end neural network solutions. The work will involve research, design, development, and training of neural networks, managing data, developing tools around the NN, etc. Sometimes you will do this alone, sometimes with a dedicated team, but always with the full support of the engineering staff.

You will attend training and knowledge sharing sessions led by your colleagues on a weekly basis. If you are inclined, you can offer the same to your colleagues.

Apart from work, you will be able to attend conferences and network with colleagues within the industry. We encourage you to give talks at conferences, meetups and submit papers to publications. We have people who can help you with this.

### **You are a fit for this role if you have**

- Good written and verbal communication
- Demonstrated ability to work with minimal to no supervision
- Ability to work remotely with cross-cultural teams
- Self-motivation to learn new concepts

### **The things we look for**

- Excellent programming skills ~6+ yrs experience - exceptions can be made. Python preferred.
- Problem-solving and troubleshooting skills and the ability to multi-task and optimize across projects. Do the research, conduct parallel experiments, and choose the best fit.
- An instinct that examines a problem from end-to-end, from gathering requirements to final delivery; that thinks beyond the defined requirements and understands what it takes to serve the purpose.
- Good math skills. Preferably in linear algebra, probability theory, and vector calculus.

### **What you will be working on**

The company takes on projects in many different disciplines. These have included automotive systems, document processing, chemistry and drug discovery, analysis of large databases, etc. We abstract every problem into a series of neural network functions but domain expertise certainly helps if we have it on our side.

We have more work than people, despite being selective on the projects we take on, which is why we are hiring. Therefore, any personal interests you have could contribute to the projects we decide to pursue.

### **How will you contribute if you do not have ready-made skills**

You can learn them. We guide you through the learning process while you are a full-time team member with us. You will be learning from experienced professionals in Deep Learning / Python / TensorFlow. We invest in our team.

## Your teammates

Here is a partial list of the talented minds.ai folks you will work with:

[Tijmen Tieleman](#): PhD from Geoff Hinton's Lab in University of Toronto and our CTO

[Tom Bulgerin](#): Caltech Grad, award-winning brandy distiller, and Head of Engineering

[Kracekumar](#): Python community leader and FOSS contributor

[Jeroen Bédorf](#): Post-Doc astrophysics researcher and HPC expert

## This is how we will become a team

Our selection process is friendly and interactive. It will involve solving computer science problems, writing code, and getting to know each other.

This will be done in a series of meetings either in person or on video. Typically, you can expect to attend 6 to 8 meetings. Some might say it is a tad too many, but we feel that it is essential for you and us to invest this time in the beginning.

We encourage dialogue so be prepared with all your questions and ask them without hesitation.

## Reach out to know more

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