Job description: Machine Learning Engineer / Researcher

Our company
Neural Concept uses Deep Learning algorithms to transform the world of Computer Assisted Design (CAD). We help companies speed up their R&D cycles, enhance their product performance and reduce computational costs.

Deep Learning and AI have already revolutionised how images, sound and natural language are processed. Therefore, some problems that used to be considered intractable are now easily solvable on a large scale. Yet, Computer Assisted Design (CAD) and geometry processing are still using traditional methods. Our mission is to bring this revolution into the world of CAD using our unique Neural Network technology that can process 3D CAD models.

We are working for global leaders in industries ranging from Automotive to Aerospace and with cutting edge sport teams from Sailing to Car-Racing, who trust our technology to ensure they stay ahead of the curve in their fields.

Our culture
Our company was born in a top notch AI lab at EPFL and the values of research are in our DNA. We are honest, pragmatic and passionate about innovation.

We know that the greatest achievements cannot be the product of a single individual and we encourage our employees to strive for the success of the entire team.

We work hard but try to enjoy our time at work and cultivate a great atmosphere. We do our best to respect everybody's private life and are very conscious about work / life balance.

Your mission
As a Machine Learning Engineer, you will be working on the core of our product, and your main goals will be:
• Conducting cutting-edge research in Machine Learning and optimisation, including, but not limited to, Geometrical Deep Learning and Deep Bayesian Optimisation
• Evaluating new methods on a wide range of datasets from our clients and partners
• Implementing new models in our production environment in Python, C++ and CUDA
• Working closely with Application Engineers, who will help to guide your R&D activities based on client's feedback
• Staying up-to-date with the most recent advances in Machine Learning and collaborating with world-class ML researchers and experts in our network

Your profile

Requirements:

- MSc degree in engineering (Computer Science / Math / Physics or other relevant field) with outstanding performance, or a PhD degree from a top university
- Deep understanding of Machine Learning
- Experience with Deep Learning methods and optimisation
- Experience with calculus and linear algebra
- Proficient with Python and C++

Would be a plus:

- Experience with Deep Learning frameworks (TensorFlow and / or PyTorch)
- GPU programming experience (CUDA)
- Experience with CFD methods and simulation software (such as OpenFOAM)

You get

- A competitive Swiss salary
- A generous equity compensation plan
- Flexible working hours
- Access to unlimited computational resources
- State-of-the-art equipment
- Frequent travel to visit conferences
- Stimulating environment with top-level researchers and engineers
- Comfortable office with open beverages and healthy food

To Apply

Send an email to:
contact@neuralconcept.com

Title:
Machine Learning Engineer Candidate

Please attach your CV and links to relevant pages (e.g. your Github)