

Job description: Software Engineer

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 Software Engineer, your main responsibilities will include:

- Developing the backend of our product, including design, implementation and testing of Neural Concept's APIs
- Working together with Research Scientists to design and implement efficient algorithms and data structures in the core engine of our product
- Closely collaborating with Application Engineers to design and implement novel features required by our clients and partners
- Continuously working on improving stability and reliability of our products and tools

Your profile

Requirements:

- MSc or PhD degree (Computer Science / Math / Physics or other relevant field)
- Strong background in algorithms and data structures
- Strong programming experience in Python and / or C++
- Familiar with Flask (or similar web frameworks)
- Familiar with cloud infrastructure stacks (Google Cloud / AWS or equivalent)
- Familiar with modern database and storage solutions (SQL and NoSQL)

Would be a plus:

- Experience with containers (Docker and Kubernetes)
- Experience with Machine Learning
- Experience with modern Deep Learning frameworks (TensorFlow / PyTorch)
- Experience with GPU programming (ideally 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
- 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:

Software Engineer Candidate

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