

Biospectal SA is a truly revolutionary start up in the mobile health biosensing space with plans to bring its smartphone app-based optical blood pressure measurement and management app and analysis platform to market in 2022. With headquarters in Lausanne/CH and a remote presence in Silicon Valley/USA, the business now needs to ramp up R&D and engineering to scale toward successful market entry through effective evangelism, product marketing, financial processes and funding, business development and general operational logistics and coordination.

All applications (CV + cover letter) must be submitted by e-mail to hr@biospectal.com

Machine Learning Engineer

Location: HQ in Lausanne, Switzerland

Full-time (100%) employment

The person will report directly to the Head of R&D.

Are you passionate about solving one of the hardest challenges in medicine today with advanced machine learning methods?

Your work can positively impact one third of the world's population and has a direct impact on our core business. This is an applied research role – your models will be deployed to our production systems and objectively tested in clinical trials with hundreds of subjects. We have deep and rich datasets, which your passion for statistics and machine learning has the power to unlock.

We are looking for someone with hands-on experience building machine learning models, either in an academic or industrial setting. You should have a PhD in computer science.

The ideal candidate will have experience in regression and deep learning models, convolutional neural and/or adversarial neural network models.

Qualifications

- PhD in computer science with background both in machine learning and software development.
- Hands on experience building machine learning models.
- Strong algorithm design and programming skills in Python.
- Knowledge of Pandas, Scikit-Learn, SciPy, NumPy, and TensorFlow.
- Practical experience of running machine learning methods on cloud-hosted GPUs.
- Proven experience of solving interesting and meaningful real-world problems using principled techniques and practices.
- Minimum of 5+ years of experience of working with data (cleaning, visualization, and modeling) is required.

Biospectal SA
Chemin du Calvaire 7
1005 Lausanne
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- Minimum of 5 years of experience in Machine Learning.
- Knowledge on no SQL databases is a plus.

Responsibilities

- Understand the medical need, identify the key challenges, formulate the machine learning problem and provide/prototype solutions.
- Collaborate and brainstorm with other team members on advanced solutions for estimating blood pressure.
- Document the technical details of your work.

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