Senior Data Scientist

About Byteflies

We are the digital health company behind Sensor Dot, a powerful wearable platform for 24/7 acquisition of physiologic and behavioral data. We have developed remote monitoring applications for epilepsy, COVID-19, and atrial fibrillation, and have a pipeline of additional clinical indications. Currently, we are looking for a **Senior Data Scientist** to guide the data analytics and algorithm development work across teams.

Byteflies is structured in autonomous cross-functional teams that have all skills to complete their own part of the Byteflies mission. We have a product team that designs and supports our technology and devices, a manufacturing team that builds our kits, two implementation teams that run projects for our customers using our products, and an operations team that supports all of our employees. All of these teams have great autonomy in reaching their goals.

How you fit in our team

You are an experienced data scientist driven by a never ending curiosity to transform buckets of time series data into beautiful visualizations and clear medical insights for a wide variety of stakeholders. You know your way around traditional signal processing workflows and relevant machine learning techniques. You don't break a sweat when handed hundreds of gigabytes worth of time series data and you have a natural ability to apply your skills to "n of 1" experiments, as well as datasets from hundreds of patients. You are as comfortable hacking together a quick proof-of-concept as you are working on medically-regulated production algorithms. You are an excellent team player who thrives in multidisciplinary teams and can translate their needs into clear and efficient code.

Your role

On a weekly basis, our Data Scientist will:
- Design and develop signal processing algorithms for feature extraction, pattern recognition, and multimodal physiologic data integration
- Build elegant data visualization tools
- Assist software developers in deploying algorithms into production-ready code and maintain data pipelines
- Work in a medically-regulated (ISO13485) environment
- Translate input from application engineers into workable and shareable code

- Quickly learn from available literature or other sources of information to implement pragmatic solutions at the right quality

Your skills and experience

Our Data Scientist should be someone who:
- Has demonstrated <u>senior</u> (industry) experience in a data science role
- Is fluent in Python or equivalent (we rely heavily on Python and Jupyter) and assorted development tools
- Has the following skills in their toolbox: filter design, time series feature extraction, artifact detection, and other common signal processing algorithms
- Has at least a basic understanding of relevant machine learning algorithms
- Has demonstrated experience with big data workflows, including parallelization and larger-than-memory tools
- Is a quick learner who is comfortable around relevant scientific literature
- Describes themselves as a high-achiever who thrives in a fast-paced and multidisciplinary environment, and is always willing to go the extra mile to learn from and teach their colleagues

We offer

- A position in our Antwerp (Belgium) team
- Competitive salary and benefits package
- Rapid career development paths
- Work-permit assistance (for non-EU nationals)
- The chance to have a direct impact on people's health care
- Awesome co-workers
- Great team events

Our values

We at Byteflies are Impactful Warriors and Positive Team Players. We want to change the world for the better. We like to do that by finding the smartest and fastest route to get to products and services of the right quality.

Sounds interesting? Send your CV and motivation letter to jobs@byteflies.com