

Machine Learning Engineer

About XSENSOR Technology Corporation

XSENSOR is the leader in Intelligent Dynamic Sensing. Creating excellent products and satisfied customers is our top priority. For over 20 years, we have delivered innovative products that use pressure imaging technology to improve the comfort, safety, and performance of surfaces. Superior products ensure XSENSOR is continually identified as the leader in the markets we serve, including the human performance, automotive, health care, biomechanics, and sleep industries. xsensor.com

Job Description

We are looking for a hard-working and motivated Machine Learning Engineer to work as part of an interdisciplinary team to create our next generation of AI-enabled products and technologies. You will have the chance to take part in every stage of the machine learning development cycle, contribute your ideas, and make a real impact.

Our ideal candidate is self-driven and passionate to solve new problems and excited to collaborate with our growing team on multiple projects to achieve our product goals. This person is an established python developer and well-versed in using machine learning tools (e.g., NumPy, Pandas, Scikit-learn, Tensorflow, and/or Keras).

Responsibilities

- Work closely with the development team to find new opportunities in data collection, feature extraction, model tuning, and evaluation practices, taking those ideas from the first concepts to live product integration.
- Working with large terabyte-size datasets. Analyzing key features and patterns. Designing scalable pipelines and machine learning workflows using batch processing and parallelization.
- Implementing new models and effective monitoring and benchmarking for performance comparison.
- Pushing for new ideas reading scientific research papers and blogs, discussing them with the team, and developing these models and algorithms to add key features to our products.
- Maintaining model development pipelines, libraries, and machine learning workflows.
- Work within a core team of 4-5 developers, with frequent collaboration with other groups and departments.

Work Experience & Skills

- 2+ years of relevant work experience as part of a data science, machine learning, or other software development team.
- Strong programming skills in Python. Able to write production-level code that is well-written and explainable.
- Proficient using machine learning tools (e.g., NumPy, Pandas, Scikit-learn, TensorFlow, and/or Keras).
- Strong background in machine learning, linear algebra, and mathematics.
- Desire to learn new technologies and expand area of expertise
- Ability to effectively multitask
- Great communication and interpersonal skills

Nice to Haves

Experiences with:

- Time-series data and machine learning models (e.g., LSTM)
- Cloud services (e.g., AWS, Microsoft Azure, and/or Google Cloud)
- Command line tools in a Linux or Windows environment e.g., Linux (bash, Powershell, ssh, etc)
- OpenGL, Unity
- Inertial measurement systems

Education

- Bachelor or Master's degree in Computer Science, Electrical Engineering or equivalent education and experience

XSENSOR offers a challenging work environment, competitive salaries as well as a complete range of benefits. If you are interested in becoming part of a successful company, learning about unique products and being part of a dynamic team, send your resume to:

hr@xsensor.com