

Real-time monitoring of machine learning models in production

DESCRIPTION

Our EY Data Science team is looking for creative postgraduate students (Master and PhD students in computer science, engineering or related fields) who are passionate about emerging topics of artificial intelligence and machine learning to join us for a 3-6 month internship.

As an intern, you'll partner with other data scientists and machine learning engineers to build one or several Machine Learning assets to serve real-world applications in the industry.

The goal of this internship is to design and setup a machine learning monitoring system that tracks and logs signals data over time, and sends alerts when an anomaly is detected within the production environment. We want to know when a given machine learning system is experiencing above-average error rates or when there is a significant shift in the underlying data that is consumed in order to respond appropriately.

A reliable real-time monitoring solution is an important component of a robust machine learning industrialization system. It is very important to ensure that our machine learning models are working as intended while they are "out in the wild".

SUPERVISION:

- Works independently and collaborates effectively as part of a team of Data Scientists, Machine Learning Engineers and Academic Partners

QUALIFICATIONS

- On-track for a master/PhD degree in Computer Science, Engineering, Statistics or Mathematics
- Strong technical knowledge in algorithms and data structures
- Good understanding and strong personal interest in machine learning
- Strong technical knowledge in programming/scripting languages; experience in Python is a plus
- Strong software development skills
- Enthusiasm for applying machine learning to real-world problems
- Ability to present your ideas clearly
- Strong personal interest in learning, researching, and creating new technologies with high business impact