

Machine Learning Intern

Layer 6 (layer6.ai) is a leading Canadian machine learning research company, developing advanced machine learning and deep learning systems to solve complex problems with enormous data. Our technical capabilities have been publicly recognized through multiple wins of international data science competitions, including being the only repeat winner of the prestigious ACM RecSys Challenge (Xing dataset in 2017, Spotify dataset in 2018). Our research in computer vision has resulted in a second place finish in Google's Landmark Retrieval Challenge, and our NLP research has placed Layer 6 among the top teams in the Stanford Q&A Dataset.

Layer 6 publishes industry-leading research in recommendation systems, knowledge representation, NLP and vision using advanced machine learning, deep learning and generative frameworks. We deploy ML solutions across a range of sectors with unique access to massive datasets and computing resources. The domains include: TD Bank data on 25mil customers of which 8M are active on the bank's location-aware mobile app; capital markets data via TD Securities and TD Ameritrade; Ontario population health data on 14.5M people; radiology imaging data that exceeds 100M terabytes.

Layer 6 AI is located in MaRS at University & College, and is a fully owned subsidiary of TD Bank.

As a Machine Learning Intern, you will:

- Join a world-class team of machine learning researchers with an extensive track record in both academia and industry.
- Research, develop, and apply new techniques in the intersection of deep learning and personalization to further advance our industry leading product.
- Work with diverse real-life datasets that range from banking transactions, to predictive health applications, to audio/video consumption.
- Collaborate closely with the engineering team in a fast paced startup environment and see your research deployed in production with very short turnaround.

Required Qualifications:

- Graduate students in CS, ECE, Mathematics, Stats, Physics or related field.
- Strong background in deep learning and machine learning
- Research experience with publication record
- Proven track record of applying machine learning to solve real-world problems

Preferred Qualifications:

- Hands on experience in software systems development and SaaS applications
- Experience with one or more Java, Matlab, Scala, Tensorflow and MXNet
- Experience using GPUs for accelerated deep learning training
- Familiarity with AWS

Please submit your CV to careers@layer6.ai