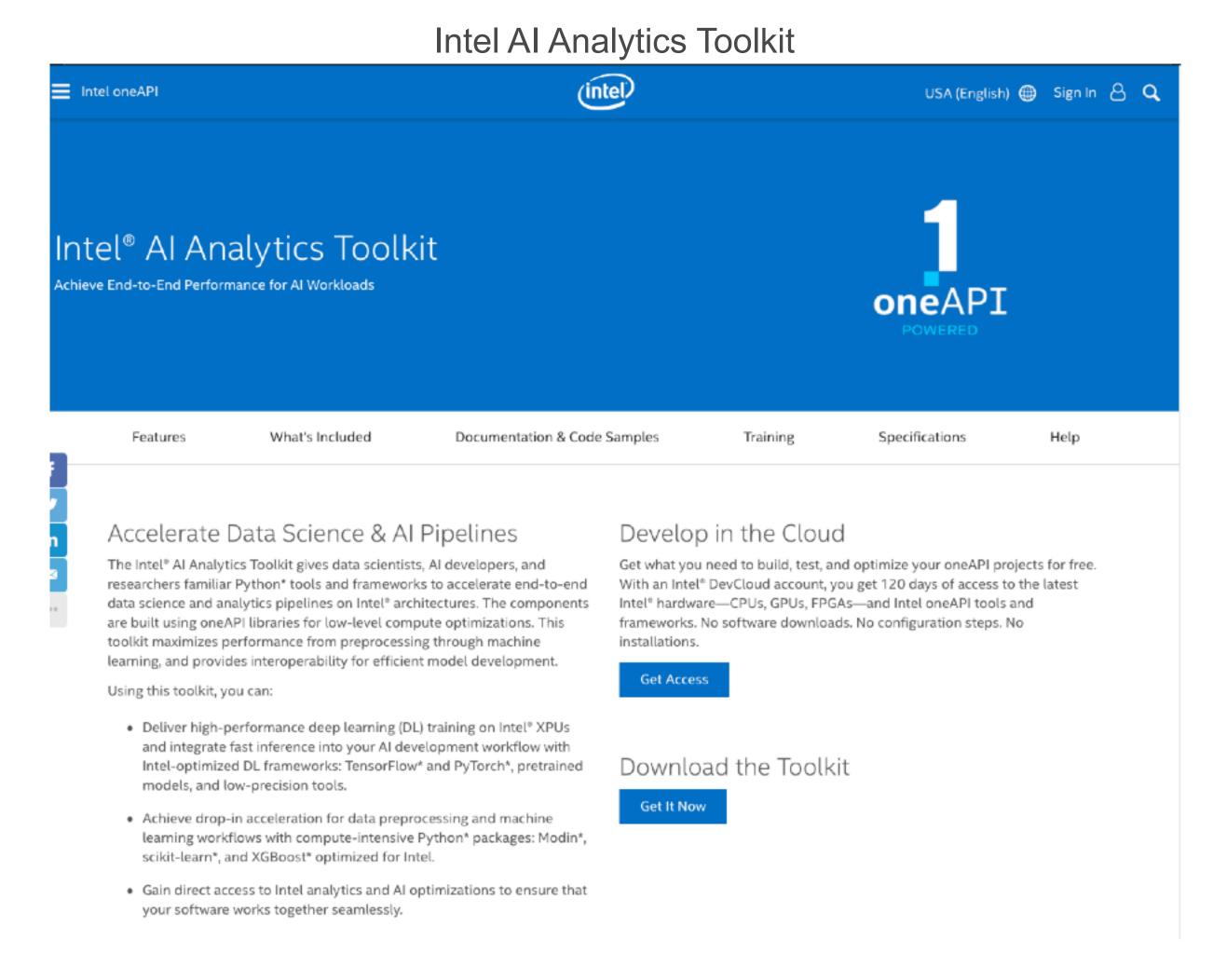# Data Science and Learning on Aurora

Aurora Will Provide for a Familiar, Productive and Performant HPC and AI Software Stack

- Python Ecosystem:
  - Numba, NumPy, etc.
- **ML + Deep Learning Frameworks**:
  - OneDAL, scikit-learn, XGBoost, etc.
  - [PyTorch](#), [TensorFlow](#),
    [Horovod](#), [DDP](#), [DeepSpeed](#), 🤗 [Accelerate](#)
- *Optimized + scalable communication* with OneCCL
- Spark BigData Analytics
- DAOS for fast I/O + workflows
- Profiling and debugging tools

Intel AI Analytics Toolkit

https://software.intel.com/content/www/us/en/develop/tools/oneapi/ai-analytics-toolkit.html

Aurora ESP Projects

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