--index-url https://download.pytorch.org/whl/cu118

# Core PyTorch packages

torch==2.7.1

torchvision==0.22.1

torchaudio==2.7.1

pytorch-lightning==2.0.2

# Data processing and scientific computing

numpy==1.26.4

pandas==2.2.2

scikit-learn>=0.23.0

# Visualization

matplotlib>=3.3.0

seaborn>=0.11.0

# Configuration and utilities

PyYAML>=5.3.0

tqdm>=4.50.0

# File handling and compression

portalocker>=1.5.0

# Logging and monitoring

tensorboard>=2.4.0

# Computer vision for OpenPose visualization

opencv-python>=4.5.0

# Optional: MediaPipe as fallback for pose detection

mediapipe>=0.10.0

# Optional: For specific features if needed

# sacred>=0.8.0 # Uncomment if using sacred for experiment tracking