

## Software Detection from ClinicRealm

“The primary software stack comprised Python 3.12, PyTorch 2.6.0, **PyTorch Lightning 2.5.1**, and Transformers 4.50.0.”

### Current practice: incomplete metadata

#### PyTorch Lightning

Name:	PyTorch Lightning	✓
Version:	2.5.1	✓
Authors:	missing	✗
DOI:	missing	✗
URL:	missing	✗
License:	missing	✗
Date:	missing	✗
Publisher:	missing	✗

- 1 Extract software metadata
- 2 Enrich metadata from external sources
- 3 Construct citation



Github



Official Page



Zenodo



### SoftwareCiter: complete yet verifiable citation

#### PyTorch Lightning

Name:	PyTorch Lightning	✓
Version:	2.5.1	✓
Authors:	William Falcon et al.	✓
DOI:	10.5281/zenodo.15053754	✓
URL:	lightning.ai	✓
License:	Apache License 2.0	✓
Date:	March 19, 2025	✓
Publisher:	PyTorch Lightning team	✓

SoftwareCiter

#### Complete software citation

Falcon, W. et al. (2025).  
PyTorch Lightning (Version 2.5.1) [Software].  
PyTorch Lightning team.  
10.5281/zenodo.15053754