

Students: Nadav Spitzer, 302228275. Lior Frenkel, 204728315

Part 5

NER task – With pretrained embeddings

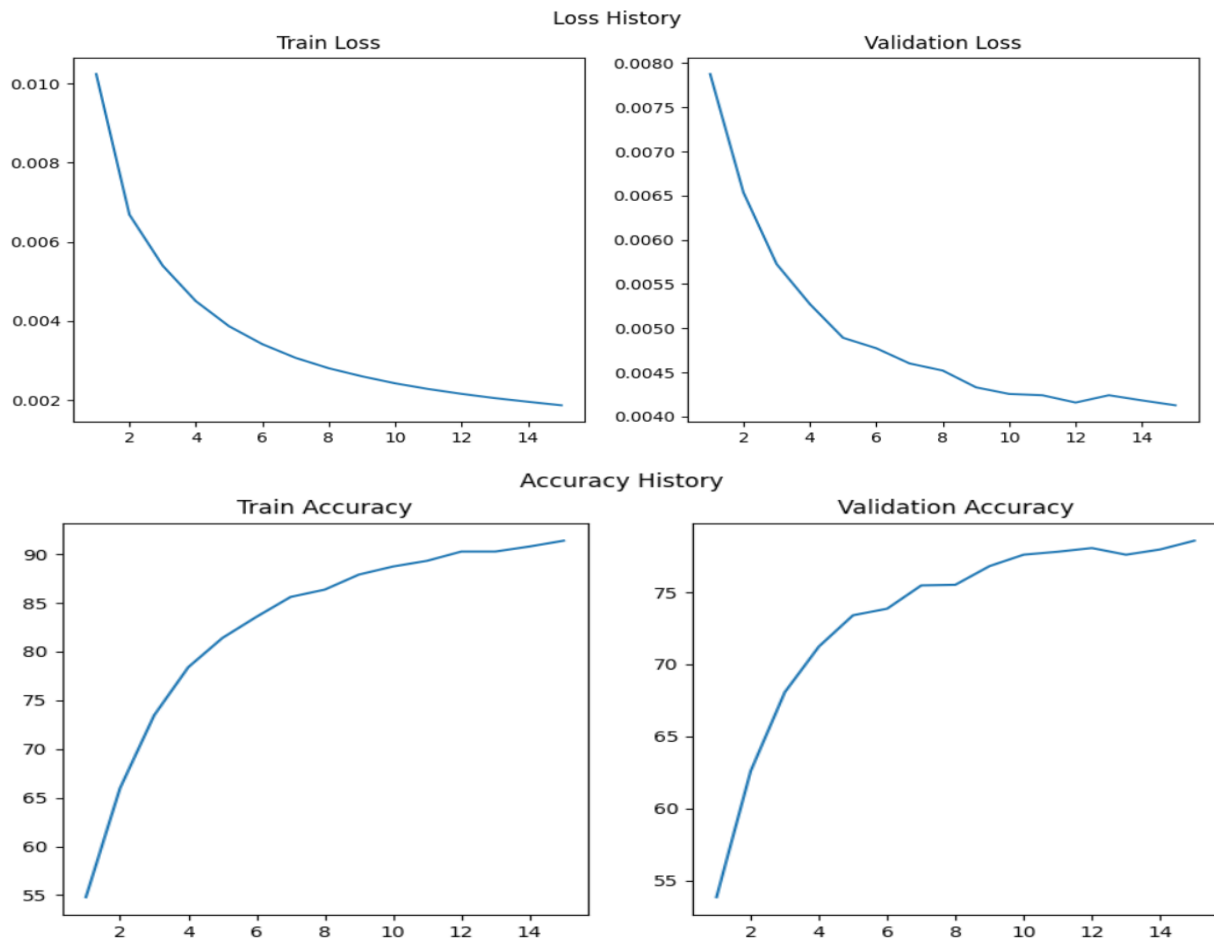
1. Parameters:

- a. Number of epochs: 15
- b. Learning rate: $1e-4$
- c. Batch size: 32
- d. Hidden layer size: 150
- e. Optimizer: Adam
- f. Dropout with 0.5 probability

2. Results:

- a. Train loss: 0.001865
- b. Train accuracy: 91.392%
- c. Validation loss: 0.004127
- d. Validation accuracy: 78.584%

3. Graphs:



POS task – With pretrained embeddings

1. Parameters:

- Number of epochs: 10
- Learning rate: $1e-4$
- Batch size: 32
- Hidden layer size: 150
- Optimizer: Adam
- Dropout with 0.5 probability

2. Results:

- Train loss: 0.0045
- Train accuracy: 95.824%
- Validation loss: 0.0051
- Validation accuracy: 94.774%

3. Graphs:

