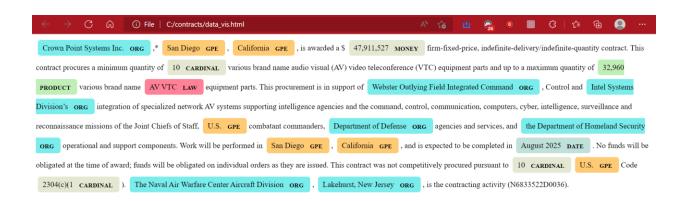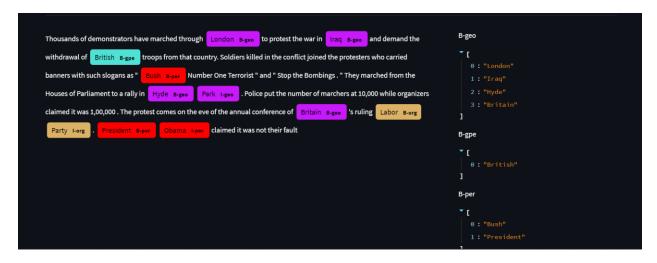```
============================= Training pipeline =============================
■ Pipeline: ['tok2vec', 'ner']
■ Initial learn rate: 0.001
E   #   LOSS TOK2VEC LOSS NER ENTS_F ENTS_P ENTS_R SCORE
--- ------   ------------ -------- ------ ------ ------ ------
 0   0   0.00   162.19   0.00   0.00   0.00   0.00
 0   200   3069.94   5873.56   81.99   82.12   81.86   0.82
 1   400   834.98   1501.30   86.68   88.04   85.36   0.87
 2   600   1580.63   1099.55   86.59   87.33   85.85   0.87
 3   800   34746.65   1237.58   85.88   86.65   85.13   0.86
 4   1000   2013.02   990.67   87.16   87.36   86.97   0.87
 5   1200   956.66   836.98   88.89   89.62   88.18   0.89
 6   1400   1248.84   780.75   85.50   87.49   83.61   0.86
 8   1600   420.08   541.42   89.33   89.41   89.25   0.89
10   1800   997.39   810.96   88.13   88.49   87.77   0.88
12   2000   1474.88   674.73   89.09   89.66   88.54   0.89
15   2200   862.60   584.25   89.26   89.76   88.76   0.89
19   2400   5274.47   495.29   88.76   88.94   88.58   0.89
24   2600   752.39   373.62   88.93   89.37   88.49   0.89
29   2800   1284.15   467.72   88.83   90.10   87.60   0.89
34   3000   627.91   245.02   89.03   90.13   87.95   0.89
39   3200   955.41   273.07   88.62   89.17   88.09   0.89
✓ Saved pipeline to output directory
output\model-last
PS C:\contracts> |
```



Crown Point Systems Inc. ORG ,* San Diego GPE , California GPE , is awarded a $ 47,911,527 MONEY firm-fixed-price, indefinite-delivery/indefinite-quantity contract. This contract procures a minimum quantity of 10 CARDINAL various brand name audio visual (AV) video teleconference (VTC) equipment parts and up to a maximum quantity of 32,960 PRODUCT various brand name AV VTC LAW equipment parts. This procurement is in support of Webster Outlying Field Integrated Command ORG , Control and Intel Systems Division's ORG integration of specialized network AV systems supporting intelligence agencies and the command, control, communication, computers, cyber, intelligence, surveillance and reconnaissance missions of the Joint Chiefs of Staff, U.S. GPE combatant commanders, Department of Defense ORG agencies and services, and the Department of Homeland Security ORG operational and support components. Work will be performed in San Diego GPE , California GPE , and is expected to be completed in August 2025 DATE . No funds will be obligated at the time of award; funds will be obligated on individual orders as they are issued. This contract was not competitively procured pursuant to 10 CARDINAL U.S. GPE Code 2304(c)(1 CARDINAL ). The Naval Air Warfare Center Aircraft Division ORG , Lakehurst, New Jersey ORG , is the contracting activity (N6833522D0036).

## DOD Contracts

## F1 Score 89 same as paper

Thousands of demonstrators have marched through London `B-geo` to protest the war in Iraq `B-geo` and demand the withdrawal of British `B-gpe` troops from that country. Soldiers killed in the conflict joined the protesters who carried banners with such slogans as " Bush `B-per` Number One Terrorist " and " Stop the Bombings . " They marched from the Houses of Parliament to a rally in Hyde `B-geo` Park `I-geo` . Police put the number of marchers at 10,000 while organizers claimed it was 1,00,000 . The protest comes on the eve of the annual conference of Britain `B-geo` 's ruling Labor `B-org` Party `I-org` . President `B-per` Obama `I-per` claimed it was not their fault

B-geo
```
[
    0 : "London"
    1 : "Iraq"
    2 : "Hyde"
    3 : "Britain"
]
```

B-gpe
```
[
    0 : "British"
]
```

B-per
```
[
    0 : "Bush"
    1 : "President"
]
```

GMB f1 score 80, In paper 85



```
============================== Training pipeline ==============================
ℹ Pipeline: ['tok2vec', 'ner']
ℹ Initial learn rate: 0.001
E    #      LOSS TOK2VEC  LOSS NER  ENTS_F  ENTS_P  ENTS_R  SCORE
---  ------  ------------  --------  ------  ------  ------  ------
  0      0          0.00     33.77    0.00    0.00    0.00    0.00
  0    200        282.35   3285.43   73.13   84.12   64.68    0.73
  0    400        217.40   2552.81   76.10   78.43   73.90    0.76
  0    600        236.91   2948.96   77.18   81.68   73.15    0.77
  0    800        293.67   3511.85   77.66   79.62   75.79    0.78
  0   1000        462.68   4029.33   80.20   85.51   75.52    0.80
  0   1200        475.76   5028.32   80.02   81.38   78.70    0.80
  0   1400       2794.81   6152.97   81.07   85.59   77.00    0.81
  0   1600       4204.45   7252.42   81.42   87.37   76.24    0.81
  0   1800       1009.34   8380.30   81.98   85.36   78.85    0.82
  1   2000       1383.25   9482.14   81.55   85.07   78.31    0.82
  1   2200       3945.28  11277.65   83.02   85.02   81.11    0.83
  1   2400       2671.89  13026.25   83.56   85.05   82.13    0.84
  2   2600       3151.07  11929.51   83.10   83.53   82.68    0.83
  2   2800       2766.99  11878.01   84.04   87.01   81.27    0.84
  3   3000       3911.92  11413.26   83.24   83.99   82.50    0.83
  3   3200       3053.23  10561.25   83.18   85.97   80.57    0.83
  3   3400       2962.31  10723.43   83.57   85.27   81.94    0.84
  4   3600       3258.68   9823.17   83.43   84.16   82.72    0.83
  4   3800       3498.38   9612.74   83.66   85.97   81.48    0.84
  5   4000       3553.11   9639.17   83.62   85.09   82.20    0.84
  5   4200       5803.79   9036.40   83.45   84.78   82.16    0.83
  5   4400       3733.40   8898.94   83.84   85.00   82.70    0.84
✓ Saved pipeline to output directory
output\model-last
PS C:\US-Voters> |
```

Voters