Development of a Named Entity Recognition Model for large scale information extraction

About Sosias Data
We are a Data-Mining startup founded by three students from TUM. We mine publicly available data of companies and sell it aggregated to our customers through our Web-App.

About the project
We are mining daily gigabytes of data that need to be analyzed continuously. Currently, we are only scratching the surface of our data’s potential – we want to change this with you! Your task will be to develop a Named Entity Recognition (NER) Model which is capable of recognizing – surprise surprise – names and other predefined entities. We don’t want you to reinvent the wheel (e.g. reinvent NER) but want you to use existing techniques to achieve the best results.

Scope of the project
1. Develop a working prototype
2. Give an overview of state of the art techniques for NER including a performance evaluation

Expected outcome
1. Working Prototype (via e.g. GitHub Repo, Colab Notebook – whatever you feel comfortable with, but please not Dropbox ;-) )
2. Short informal report about state of the art NER techniques and their evaluation

What you can expect from us
You will be assigned to one of our founders who will take care of you during the semester via regular 1 to 1 meetings (online or offline) and support you in the project. We are very flexible in terms of working time and will of course stay within the boundaries of the IDP’s ECTS limit.

What we expect from you
If you can work independently and want to do something hands-on, then we are your partner! Besides the regular meetings you will have complete freedom in terms of time management or the choice of used techniques. If you think finetuning a BERT model is best – we will do it, if not – then not. It’s your project!

Interested? Write us!
Send us a short mail answering us why you want to work on this project specifically and what your knowledge in the field of NLP is (lectures, Praktika, etc..). CV and grades are optional – we value your motivation and drive most!
Send it all to Benedikt Reinhard (Please call me Ben), breinhard@sosias-data.de.