

# Natural Language Processing Engineer

## About ObEN:

Founded in 2014, ObEN is an artificial intelligence company based in one of the world's most successful incubators: [Ideallab](#) in Pasadena, CA. We have developed a sophisticated speech technology that allows any Internet of Things to speak in any voice and in any language. More info about ObEN: <https://goo.gl/gxpxwT>

[Company intro video](#)

[Know more about ObEN's incentives.](#)

## **JOB DESCRIPTION**

### Your responsibilities:

- Build, Improve and extend NLP capabilities.
- Research and evaluate new/different approaches to NLP problems.
- Produce deliverable results and take them from development to production in collaboration with our engineers.

### You must have:

- Strong Machine Learning background and familiarity with R, WEKA, RapidMiner, etc.
- Expertise in at least 3 of the following: Sentiment Analysis, Entity Extraction, Document Classification, Topic Modeling, Natural Language Understanding (NLU) and Natural Language Generation (NLG).
- Strong understanding of text pre-processing and normalization techniques, such as tokenization, POS tagging and parsing and how they work at a low level.
- Strong knowledge of Java or Python, and general software development skills (source code management, debugging, testing, deployment, etc.)
- Expertise in producing, processing, evaluating and utilizing training data.
- Ability to collaborate with bigger teams and excellent communication skills
- MSc./PhD in Computer Science, Computational Linguistics or related fields from top tier university

### Great to have:

- Good understanding of linguistics and language as a phenomenon.
- Strong interest in, and knowledge of Artificial Intelligence and its subfields.
- Experience with non-English NLP.
- Experience with Deep Learning and Word Embeddings.
- Experience with open-source NLP toolkits such as CoreNLP, OpenNLP, NLTK, gensim, LingPipe, Mallet, etc.
- Experience with open-source ML/math toolkits such as scikit-learn, MLlib, Theano, NumPy, etc.
- Experience with noisy and/or unstructured textual data (e.g. tweets)
- Published work in academic conferences/journals or industry circles.

## **Application Requirements**

Please send the following to [careers@oben.me](mailto:careers@oben.me)

- Detailed resume and/or LinkedIn profile
- Links to any research / papers you have been an instrumental part of and are proud of
- Name of instructor / adviser, if any along with link to their profile
- Cover Letter identifying your five favorite apps on your phone

### **Interview process:**

STAGE 1: Phone Interview

STAGE 2: In-person Interview at [Idealab](#) (we cover travel expenses for the day)

STAGE 3: We require a sample project submission and a candidate proposal submission

(To know more about what an ObEN candidate proposal is, [click here](#))

STAGE 4: Spend a day at our office and participate in all team activities.

STAGE 5: Offer Letter