

Machine learning / NLP

I'm looking for an *end-of-studies* internship starting in *early 2022*

# alice hammel

alice.hammel@gmail.com | 📞 +336 76 92 80 12 | 🌐 | Paris, France

Natural Language Processing MS student, ENS student (normalienne), laureate of the Agrégation d'anglais.

## technical skills

Python • Java • Jupyter Notebook • Numpy • Pytorch • Scikit-learn • Pandas

## education

### Université de Paris MS in Linguistics & Computer science (NLP)

2020 - 2022 | Paris, France

First year average: 16/20

#### Computer science & NLP:

- Machine learning
- Object-oriented programming
- Algorithmics

Linguistics: language acquisition, phonetics, computational phonetics, morphology, syntax, semantics

### École Normale Supérieure Cachan Agrégation d'anglais

2015 - 2016 | Cachan, France

Competitive exam for English teachers

Major: linguistics | Rank: 15th

MA Higher education English teaching

### MA English language and history

2014 - 2015 | Edinburgh, Scotland

Erasmus exchange: University of Edinburgh, department of Linguistics &amp; English Language Sociophonetics dissertation

### BA English language and history

2013 - 2014 | Cachan, France

Major: English for Specific Purposes

### Lycée Lakanal

#### Hypokhâgne & Khâgne B/L

2011 - 2013 | Sceaux, France

Preparation for the Humanities and Social Sciences competitive entrance exams of the ENS: sociology, economics, mathematics, philosophy, Spanish, English, literature, history

## NLP/ML work experience

### Storyzy | NLP / Machine learning intern

Disinformation detection &amp; OSINT | April - July 2021 | Paris

- Stack: Java, Spring, Apache Spark, MongoDB
- Optimisation of a multilingual webpage classifier: feature selection, corpus enrichment, testing
- Optimisation and development of a multilingual Twitter topic extraction model
- Implementation of a Twitter Bot detection model

### Projects 🔄 2020 - 2021

- Automatic inclusive language assistant
- Flask app: WhatsApp conversation text-generation
- POS tagger based on from-scratch perceptron

### Synomia | NLP intern

Data analytics &amp; marketing consulting | June - July 2014 | Boulogne-Billancourt

- Evaluation of the company's syntactic parser on English corpora
- Work on sentiment analysis in French and English

## teaching experience

### French Ministry of National Education | High school CS teacher

Sept 2019 - April 2021 | Lycée Parc de Vilgénis, Massy

- Intro to CS class for 1<sup>st</sup>-year high school students: HTML, CSS, networks, social networks, data analysis, Python...
- High school digital coordinator: worked with teachers, students and staff to ease the school's digital transformation.

### Becomtech | IT instructor & counselor

Tech summer camp for girls | June - August 2020

Introduced IT and Computer science (HTML, CSS, AI, algorithms) to 13 to 17-year-old girls in order to promote girls' education in STEM.

### French Ministry of National Education | English teacher

Sept 2016 - August 2020 | Lycée Parc de Vilgénis, Massy &amp; Lycée La Martinière Diderot, Lyon

- Taught general English, English for IT and English literature to high school and higher education students.
- Coordinated a team of 15 English teachers.