

KAROLIN IZABEL BOCZOŃ

M2 NLP Graduate

@ karolin.izabel@protonmail.com +33 07 84 97 18 87 Grenoble, FRANCE lyrs

VOCATIONAL EXPERIENCE

Compositionality and Discourse Markers

Intern

Feb 2023 – Aug 2023 Nancy, France

Research project in cooperation between **ATILF**, **LLF** & **LORIA**.

Topic: *Text Mining for Discourse Markers*

- text annotation using transducers
- developing electronic dictionaries

Research in Natural Language Processing

Assistant Engineer / Staff

Apr 2019 – Aug 2021 Poznań, Poland

Research project in cooperation between **Samsung Electronics** & **Adam Mickiewicz University**.

Areas of work:

- dialogue simulation, virtualization, model evaluation
- data scraping, morphological dictionaries
- text processing, finite state automata, formal grammars

RESEARCH ACTIVITY

Language Modeling and Discourse Analysis seminar

Participant

Sep 2018 – Aug 2021 Poznań, Poland

Organized in the AI department of the Mathematics and Computer Science faculty.

Presentations given:

- *A tool for computer analysis of forum discussion*
- *Extracting text from silly drawing. Text localisation and OCR in unstructured graphical documents*
- *Tokenization in unsegmented languages. Methods and ideas overview*
- *Categorical grammars*

8th & 9th Language and Technology Conference

Volunteer

May 2019, Nov 2017 Poznań, Poland

Helped with various tasks in the conference office and during the event.

EDUCATION

M.Sc. in Natural Language Processing

IDMC, Université de Lorraine

2021 – 2023 Nancy, France

Completed 180 ECTS towards B.Eng. in Computer Science

WMI, Adam Mickiewicz University

2017 – 2021 Poznań, Poland

INTERESTS

formal languages electronic dictionaries
sustainable engineering accessibility
computer vision for NLP

TECH STACK

Python3 PyTorch Pandas NumPy
Matplotlib SpaCy NLTK Sacred
Git Bash Ruby LaTeX Docker
Jenkins Unitex

LANGUAGES

Polish ● ● ● ● ● ●
English ● ● ● ● ● ●
French ● ● ● ● ● ●
Polish Sign Language ● ● ● ● ● ●
A1 A2 B1 B2 C1 C2

HOBBIES

j-fashion sewing needlework cello

PROJECTS

Team projects realized during the master's program.

Captioning artworks: What can AI say about paintings?

Supervised project

📅 duration of 8 months

Caption generation for a visual artistic prompt. Under the supervision of Bart Lamiroy (LORIA, UL).

Major contributions:

- developed a rule-based caption generator to be used as a baseline for the evaluation
 - designed and conducted a survey for qualitative human evaluation
-

Detecting greenwashing in cosmetics branding

Management project

📅 duration of 4 months

Evaluation of written advertisements of "green" cosmetics against their composition.

Major contributions:

- conceptualized and initiated the project
 - developed the process for data collection
 - formulated annotation guidelines
-

TriviaNLQ

Software project

📅 duration of 4 months

Web-application that utilizes text-to-SPARQL modeling to query a knowledge graph and answer trivia questions.

Major contributions:

- carried out dataset exploration
- automated the back-end setup