

Ana Filipa Vilela Pereira

Software Engineer

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📍 Braga, Portugal



Employment History

July 2021 – September 2022

◇ Research Grantee

School of Arts and Humanities, University of Minho, Braga, Portugal

Research Fellow in the international research project **NetLang: The Language of Cyberbullying: Forms and Mechanisms of Online Prejudice and Discrimination in Annotated Comparable Corpora of Portuguese and English**.

This research position involved the following tasks: extraction and annotation of texts from online sources in English and Portuguese; creation of query engine to search the annotated *corpus*; participation and organization of project workshops/conferences and other dissemination activities.

Education

September 2016 – March 2022

◇ Integrated Master Degree in Informatics Engineering

University of Minho, Braga, Portugal

Thesis: SAQL: Query Language for Corpora with morpho-syntactic annotation.

Profiles: Language and Knowledge Processing; Data Science.

Complimentary Subjects: Software Analysis and Testing; NoSQL Databases.

September 2013 – June 2016

◇ Secondary Education in Sciences and Technologies

Externato São Miguel de Refojos, Cabeceiras de Basto, Braga, Portugal

Skills

Computer Skills

- ◇ Javascript, Java, Python, C, Haskell
- ◇ MySQL, MongoDB, GraphDB
- ◇ NodeJS, VueJS, React Native, ReactJS, HTML, XML, CSS

Personal Skills

- ◇ Strong reading, writing and speaking competencies in English and native tongue, Portuguese.
- ◇ Good communication skills and great ability to work as a team earned through multiple group projects completed during academic degree.

Projects


NetLang Query Engine

- ◇ In my thesis project, I defined a query language using ANTLR and a query engine in Java that enables the search of specific expressions and linguistic patterns in annotated files from the NetLang Corpus.
- ◇ These files were previously annotated with lemmas and part-of-speech tags, allowing the search of sequences of certain grammatical classes, for example.

Nite

- ◇ Informatics Engineering 5th year project.
- ◇ Nite is a digital drinking card for pubs and nightclubs, that allows the consumers to remote control their own card and pay digitally. I was in the team responsible for the development of the mobile app (React Native) for the consumer.

Publications

- 1 A. Pereira, "SAQL: Query Language for Corpora with morpho-syntactic annotation," MSc dissertation, M.S. thesis, University of Minho, Braga, Portugal, Mar. 2022.  URL: <https://hdl.handle.net/1822/78258>.

Miscellaneous Experience

Organization of Scientific Events

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|---------------------|---|
| 7-9 July 2022 | ◇ International Conference on Online Hate Speech
<i>University of Minho, Braga, Portugal.</i> |
| 11-12 November 2021 | ◇ Autumn Workshop II – 2nd International Team Meeting , NetLang Project.
<i>University of Minho, Braga, Portugal.</i> |