Iago Alonso Alonso

✉ iagoalonsoalonso@gmail.com   ☐ (+34) 662 554 918   🌐 http://thetechnicallyweakguy.com/   📍 A Coruña, Galicia, Spain

WORK EXPERIENCE

Denodo

- **Java Full-Stack Software engineer** — May 2022 – Present
  - Collaborate in the development of new features on the Support and Community websites.
  - Assist in correcting bugs reported on the Support and Community websites.
  - Technologies: Java, Spring, Hibernate, SQL/VQL, Thymeleaf, JavaScript, HTML5, CSS3

SIA

- **Technical security consultant in software development** — December 2018 – April 2021
  - Performing Static Application Security Testing (SAST) audits and their corresponding report
  - Creation of training material on secure development for the end client
  - Development of internal tools to facilitate the management of evidence found during SAST audits
  - Technologies: OWASP, CCN–CERT, Python 3, Flask/Jinja2, JavaScript, SQLite, HTML5, CSS3

Enxenio

- **Software engineer** — December 2016 – November 2018
  - Maintenance of a GIS management application used by the Provincial Council of A Coruña to consult and maintain data from the Local Infrastructure and Equipment Survey (EIEL)
  - Maintenance of a GIS application used by the Principality of Asturias for the management of land consolidation
  - Technologies: Java, Java Swing, Struts, PostgreSQL, PostGIS

RESEARCH EXPERIENCE

LYS Group - Computer Science Faculty, University of A Coruña

- **Research support technician** — May 2021 – April 2022
  - **Project 1**: Assistance in the development, implementation and evaluation of automatic answer extraction systems for questions written in natural language using deep learning techniques enriched with syntactic trees
  - Focus: Natural language processing (NLP), Image captioning, Question answering (QA)
  - **Project 2**: Fast Natural Language Parsing for Large-Scale NLP (FASTPARSE)
  - Focus: Sentiment Analysis, constituency parsing
  - Supervisors in both projects: Ph.D. Carlos Gómez Rodríguez and Ph.D. David Vilares
  - Technologies: Python 3, Bash, Hugging Face, Universal Dependencies, fastText

LYS Group - Computer Science Faculty, University of A Coruña

- **Research support technician** — April 2016 – June 2016
  - Project: Fast Natural Language Parsing for Large-Scale NLP (FASTPARSE)
  - Supervisors: Ph.D. Carlos Gómez Rodríguez and Ph.D. David Vilares
  - Focus: Natural language processing (NLP), parsers, speed, accuracy, measure corpus
  - Technologies: Python 3

PUBLICATIONS

PAPERS

[1] Iago Alonso-Alonso, Ph.D. David Vilares and Ph.D. Carlos Gómez Rodríguez. The Fragility of Multi-Treebank Parsing Evaluation. In Proceedings of the 29th International Conference on Computational Linguistics (COLING 2022), pages 5345–5359, Gyeongju, Republic of Korea. *International Committee on Computational Linguistics*.

[2] Iago Alonso-Alonso, Ph.D. David Vilares and Ph.D. Carlos Gómez Rodríguez. LyS_ACoruña at SemEval-2022 Task 10: Repurposing Off-the-Shelf Tools for Sentiment Analysis as Semantic Dependency Parsing. In Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022), pages 1389–1400, Seattle, United States. *Association for Computational Linguistics*.

[3] Ph.D. Carlos Gómez Rodríguez, Iago Alonso-Alonso, and Ph.D. David Vilares. How Important is Syntactic Parsing Accuracy? An Empirical Evaluation on Rule-Based Sentiment Analysis. *Springer Netherlands*. (JCR Q1) Published: 23 October 2017

EDUCATION

Computer Science Faculty, University of A Coruña - A Coruña, Galicia, Spain

- **Master's degree of Computer Science - MUEI** — September 2014 – February 2017
  - Final work: Tool to manage access, deployment and publication of SaaS applications
  - Director: Ph.D. Xoán Carlos Pardo Martínez
  - Focus: Manage access, deployment, publication, SaaS applications
- **Computer Science Degree - Software Engineer Mention** — September 2008 – September 2014
  - Final work: Client management and monitoring application for an association of people with autism spectrum disorder
  - Director: Ph.D. Maria de las Nieves Pedreira Souto
  - Focus: This final work was done as a volunteer contributor at ASPANAES in collaboration with the university

CERTIFICATIONS   LANGUAGES

[1] C1 Advanced – Score 199 (Grade B) from Cambridge Assessment English. Obtained on July 2023 (*Lifetime*)

[2] B2 First – Score 173 (Grade B) from Cambridge Assessment English. Obtained on October 2020 (*Lifetime*)