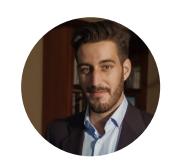# Javier Sevilla Salcedo

NLP RESEARCHER & SOFTWARE ENGINEER

Madrid, Spain, 28012

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Industrial electronics engineer, specialised in NLP research and software engineering. I have worked as a software developer and researcher, specifically with Deep Learning for NLP. In addition, I have been in charge of the organisation and monitoring of software. I am a self-starter and self-taught person. When it comes to work, I stand out for my leadership abilities, proactivity, teamwork skills, and good organisation.

Work Experience

UNIVERSIDAD CARLOS III DE MADRID - RESEARCH ENGINEER AND TEACHER
2020 - Present

- Deep Learning for natural language processing and generation.
- Network and system administration

INTEGRACIÓN SENSORIAL Y ROBOTICA S.L. - SOFTWARE ENGINEER
2019 - 2020

- Detection of defects in optical lenses for Valeo company
- Software development for process automation for Cosentino company

GRAV - RESEARCH ENGINEER
2018 - 2019

- Quality control system development using computer vision and machine learning
- Multidisciplinary project management and leadership in the automotive sector

Education and Courses

PH.D IN ELECTRICAL ENGINEERING, ELECTRONICS AND AUTOMATION
Madrid, Spain
2022 - Present

Universidad Carlos III de Madrid

- PhD Thesis: *Language Models for Social Robotics*

MASTER'S IN ROBOTICS AND AUTOMATION
Madrid, Spain
2020 - 2022

Universidad Carlos III de Madrid

DEGREE IN INDUSTRIAL ELECTRONIC ENGINEERING. MENTION IN AUTOMATION
Jaén, Spain
2013 - 2019

Universidad de Jaén

COURSES AND SCHOOLS

- *5th International School on Deep Learning*; IRDTA, Guimarães, Portugal.
- *Machine Learning*; University of Stanford.
- *Robotics*, course from the Artificial Intelligence MicroMasters; Columbia University.

Skills

PROGRAMMING LANGUAGES	Python │ Bash │ Java │ C │ C++ │ Matlab │ SQL │ LaTex
LANGUAGE MODELS	Transformers │ GPT-3 │ BERT │ T5 │ Bloom │ Whisper │ Stable Diffusion │ Blenderbot
FRAMEWORKS & LIBRARIES	Hugging Face Repositories │ Transformers │ Datasets │ Numpy │ ROS │ OpenCV
DEEP LEARNING	PyTorch │ Tensorflow │ DeepSpeed │ Tensorboard │ Weights and Biases │ Gradio
DATA SERIALIZATION	YAML │ XML │ JSON │ JSONL │ CSV
CI/CD	GIT │ Jenkins │ GitHub │ GitLab │ Docker
SYSTEM ADMINISTRATION	Linux │ Conda │ SSH connection │ SFTP protocol │ WinSCP
LANGUAGES	Spanish (Native) │ English (Advanced - *C1 Cambridge Certification*) │ German (Basic)

Research Merits and Awards

- **Several conference papers and journal article**
- **Speaker at an international conference**
- **Best paper award at international conference**