



Giulio Carducci

Computer Engineer

I am a passionate Computer Engineer with a strong interest for emerging technologies and scientific research, which I had the opportunity to discover during my academic studies. I face everyday problems with a positive mindset and attitude towards learning new things. In my free time I enjoy hiking and practicing photography.

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🐙 github.com/GiulioC

WORK EXPERIENCE

Data Engineer

Revelio Labs

06/2022 - Present

Remote (US)

Revelio Labs aggregates millions of public employment records to create a universal HR database, allowing to understand the workforce dynamics and trends of the market

Achievements/Tasks

- Redesign of the most valuable ingestion process of the company in a more efficient and lightweight way
- Maintenance of several ingestion pipelines that move billions of records, and whose data is used daily by hundreds of customers

R&D Software Engineer

Synapta

04/2018 - 06/2022

Turin

Synapta works in the public procurement domain by aggregating all the italian public contracts in one place.

Achievements/Tasks

- Design and Implementation of several NLP solutions to enrich the existing knowledge base with additional data
- Main backend developer for contrattipubblici.org
- Creation of ETL pipelines to move millions of documents between different sources, while ensuring consistency and real-time sync
- Configuration and monitoring of the company's main services on dedicated servers, while ensuring high SLA and data replication

Research Fellow for the Academic Project REPOSUM

Università degli studi di Torino

06/2018 - 06/2019

Turin

I won a 1-year research grant to study a corpus of philosophical PhD theses using NLP and Machine Learning techniques.

Achievements/Tasks

- Classification and catalogation of philosophy theses using hybrid ML solutions
- Extraction of key features from documents with bag-of-words, entity recognition, entity linking, topic modeling techniques
- Public presentation of the research work at [IRCDL 2019](https://www.ircdl.it/)

Internship on Human Activity Interpretation

Cognitive Systems Group (CoSy)

04/2015 - 09/2015

Bremen

I worked for 6 months as a researcher for a european project involving several countries and institutions.

Achievements/Tasks

- Camera movement estimation based on detected motion in scene
- Studied and Implemented different methods for face detection and face recognition of people in the movie domain

EDUCATION

M.S. in Computer Engineering

Politecnico di Torino

09/2015 - 04/2018

SKILLS

SQL

Python

PySpark

JavaScript

Elasticsearch

AWS

Cloud Computing

Snowflake

Machine Learning

Natural Language Processing

CI/CD

Problem Solving

Teamwork and Communication

Creativity

PUBLICATIONS

TwitPersonality: Computing Personality Traits from Tweets using Word Embeddings and Supervised Learning

Giulio Carducci, Giuseppe Rizzo, Diego Monti, Enrico Palumbo, Maurizio Morisio. MDPI, 2018.

Semantically Aware Text Categorization for Metadata Annotation

Giulio Carducci, Marco Leontino, Daniele P. Radicioni, Guido Bonino, Enrico Pasini, Paolo Tripodi. Italian Research Conference on Digital Libraries (IRCDL), 2018.

CERTIFICATES

IELTS 7.5 (CEFR C1) (2017)

- British Council

Machine Learning by Andrew Ng (2016)

- Coursera

LANGUAGES

Italian



English



INTERESTS

Photography

Outdoor Sports

Sustainable Development