GIUSEPPE RICCIO

CURRICULUM VITAE

dal 1994 Consorzio Interuniversitario AlmaLaurea
Un ponte fra Università e mondo del lavoro e delle professioni

Date of birth / **22/04/1999** Age / **24**
Place of birth / **TORRE DEL GRECO (NA)**
Nationality/ citizenship / **Italy**
Via Antonio de Curtis 34, 80059
TORRE DEL GRECO (NA)
Driving licence / **B** / **Car available**
ID / **5464768** updated on **21/03/24**

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3313277363
github.com/giuseppericcio

SOCIAL NETWORK

FOREIGN LANGUAGE SKILLS

europass

MOTHER TONGUE(S): **Italian**

ENGLISH GOOD	B2	B2	B2	B2	B2

DIGITAL COMPETENCES

DigComp
Information and data literacy **Independent user**
Communication and collaboration **Independent user**
Digital content creation **Independent user**
Safety **Independent user**
Problem solving **Independent user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** / Graduate studies

ECONOMIC SECTOR: **1.** computer science, data processing and acquisition / **2.** consultancy (management, legal, accounting, ...) / **3.** education, training, research and development

CAREER FIELD: **1.** Engineering and design / **2.** Information systems, EDP

PREFERRED DISTRICT TO WORK IN: **1. NAPOLI** / **2. ROMA**

AVAILABILITY FOR BUSINESS TRAVELS: **Yes, even frequently**

AVAILABILITY TO RELOCATE ABROAD: **No**

Career Goal

I am a Master's student in Computer Engineering with a specialization in 'Data Engineering and Artificial Intelligence', passionate about new technologies related to AI that allow to support critical sectors such as 'Healthcare', 'Public Transport' and 'Automotive' in a concrete way. In particular, thanks to the Big Data course, I was fascinated by technologies supporting the data analysis of large data sets such as Hadoop, Spark (and SparkQL) and Hive.

ACADEMIC STUDIES

MASTER'S DEGREE
2021 - 2024

UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II

Università degli Studi di NAPOLI 'Federico II'
Dipartimento di Ingegneria Elettrica e delle Tecnologie dell'Informazione
Corso di Laurea Magistrale in Ingegneria Informatica
LM-32 - 2nd level degree in Computer engineering

Dissertation/thesis title: Graphs Enriched with External Knowledge and Clinical Text for Personalized Predictive HealthCare | Dissertation/thesis subject: BIG DATA ENGINEERING | Thesis supervisor: VINCENZO MOSCATO

Age at graduation: 24 | Official duration: 2 years
Final degree mark: **110/110 cum laude**
Graduation date: 20/03/2024

BACHELOR'S DEGREE
2018 - 2021
CERTIFIED TITLE

UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II

Università degli Studi di NAPOLI 'Federico II'
Dipartimento di Ingegneria Elettrica e delle Tecnologie dell'Informazione
INGEGNERIA INFORMATICA
L-8 - 1st level degree in Information technology

Dissertation/thesis title: Studio di tecniche di predizione 'Just-in-Time' di commit difettosi nello sviluppo software in contesti di Continuous Integration | Dissertation/thesis subject: INGEGNERIA DEL SOFTWARE | Thesis supervisor: PIETRANTUONO ROBERTO

Age at graduation: 22 | Official duration: 3 years
Final degree mark: **110/110 cum laude**
Graduation date: 06/10/2021

TECHNICAL CERTIFICATE
TORRE DEL GRECO
2018

Vocational School, Economics sector, Administration, Finance and Marketing specialisation, Business information systems focus
ITCG E.PANTALEO-T.GRECO- , TORRE DEL GRECO (NA)
School-leaving examination mark: **100/100 cum laude**
Kind of secondary school diploma: Italian secondary school diploma
Kind of secondary school attended: Public school

WORK EXPERIENCES

Healthcare Data Engineer
UNIVERSITÀ DEGLI STUDI DI NAPOLI 'FEDERICO II'
Computer science, data processing and acquisition
NAPOLI (NA)
10/2023 - 02/2024

Main activities and responsibilities: Implementation of an innovative system, based on ML models on Graphs (GNN), for medical recommendation through patients' medical histories in electronic health records (EHR).
Acquired skills and achieved objectives: Concept extraction skills through NLP techniques; Training of Machine Learning models on Graphs; Analysis and processing of data (structured and unstructured) for representation of useful analytics; Development of Team working skills.
Employed as: intern/trainee - undergraduate internship | Number

of hours: 225 | Company sector: Engineering and design

other information

Currently employed: No
Registration at the employment office: Yes

FOREIGN LANGUAGE SKILLS

English BI Level B2 Certificate in ESOL International, BRITISH INSTITUTES, 17 Mar 2023 , **Europass level B2**

INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Presentation Software: Microsoft PowerPoint (Highly Specialised) | **Spreadsheets:** Microsoft Excel (Highly Specialised) | **Web Browser:** Google Chrome (Highly Specialised) | **Word Processors:** Microsoft Word (Highly Specialised)

COMPUTER PROGRAMMING

Programming languages: C (Intermediate) , C++ (Intermediate) , Java (Foundation) , PHP (Intermediate) , Python (Advanced) | **Web Programming:** HTML, CSS, JS (Intermediate)

SYSTEMS AND NETWORKS MANAGEMENT

Operating systems: Linux (Intermediate)

DATA MANAGEMENT

Big Data: Tecnologie Big Data (eg. Spark, Hadoop, Kafka) (Advanced) | **DBMS:** Oracle Database (Intermediate)

ICT CERTIFICATES

Disciplined Agile SCRUM Master (DASM) PMI, 28/07/2022

Basic Proficiency in KNIME Analytics Platform KNIME, 20/01/2024

KNIME

PUBLICATIONS

DEGREE THESIS
2024

Giuseppe Riccio, Graphs Enriched with External Knowledge and Clinical Text for Personalized Predictive HealthCare
Institution: Università degli Studi di Napoli 'Federico II'
The module GREAT, which utilizes GNN, integrates clinical data and external knowledge, such as Static Medical KG, to improve medical recommendations by analyzing Electronic Health Records. Medical concepts are extracted from EHRs through EDA and NER+EL. GNN provides medication recommendations using a heterogeneous graph that captures patients' medical history. This framework contributes to optimizing clinical decision-making and personalized care.

OTHER
2024

Giuseppe Riccio, Antonio Romano, Andriy Korsun, Michele Cirillo, Marco Postiglione, Valerio La Gatta, Antonino Ferraro, Antonio Galli, Vincenzo Moscato, Healthcare Data Summarization via Medical Entity Recognition and Generative AI
This paper presents a fully automated approach for extracting value from content that lies hidden in Electronic Health Records (EHRs) using Large Language Models (LLMs) and Natural Language Processing (NLP) techniques, such as Named Entity Recognition (NER) and Entity Linking (L). The solution proposed in this work aims to show the potential of NLP and generative AI to extract the relevant medical concepts contained within EHRs and generate a summary of the entire clinical history of a patient.
ceur-ws.org/Vol-3606/paper47.pdf

DEGREE THESIS
2021

Giuseppe Riccio, Studio di tecniche di predizione 'Just-in-Time' di commit difettosi nello sviluppo software in contesti di Continuous Integration
Institution: Università degli Studi di Napoli 'Federico II'
Within this degree thesis, techniques for predicting faulty commits in the context of software development will be covered using the DevOps methodology with the support of Machine Learning algorithms.
github.com/giuseppericcio/JustinTimePrediction