LORIS GIRAUDO
Master's Degree in Computer Science | Software Developer

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ℹ I authorize the processing of personal data pursuant to Legislative Decree 196 of 30/06/2003, and Article 13 of the GDPR.

I have a Master's Degree in Computer Science at the University of Turin, specialization in "Artificial Intelligence and Information Systems". The main courses attended are: Machine Learning, Deep Learning, Natural Language Technologies, Bio Informatics and Advanced Software Technologies and Architectures. Through work activities and personal projects I have acquired experience in software programming with respect to various languages and frameworks.

🎓 FORMAZIONE

2022 **Master's Degree in Computer Science**, at the University of Turin, Department of Computer Science, specialization in "Artificial Intelligence and Information Systems". *Degree Grade: 110 cum laude.*

2020 **Degree in Computer Science**, at the University of Turin, Department of Computer Science. *Degree Grade: 110.*

2017 **High School Diploma**, at the I.I.S. G. Vallauri of Fossano, Technological Sector address "Information and Telecommunication". *Final Grade: 79.*

💼 WORK EXPERIENCE

Now
January 2024

CTO and Founder, LUMEN LABS - TALKKIT, TURIN, IT
> Founder and CTO of a startup in the Ed-Tech sector. Our product, Talkkit, is a language-learning application that enables users to converse with a virtual avatar. As the CTO and the only founder with technical expertise, I have independently developed all aspects of the product: from research and design to development and deployment in cloud environments.

Flutter | FastAPI | Unity | Azure

Now
April 2023

Full Stack Developer, DOINN SRL, MONDOVÌ CN, IT
> Data collection, analysis, design, development, testing, and deployment of web-based software solutions created on-demand for clients, including Banco Azzaglio SpA. Participated in all stages of the development lifecycle, both as a sole developer and as part of a team.
Worked on 4 projects:
  1. A Sound Therapy platform with an integrated e-commerce and a custom CMS. Stack: React, Laravel, and FastAPI.
  2. A chatbot with Retrieval-Augmented Generation (RAG). Stack: ExtJS, FastAPI, and QDrant.
  3. A platform for managing securitizations in the financial sector. Stack: ExtJS and Laravel.
  4. A platform for managing hardware rental operations. Stack: React and Laravel.

ExtJS | Laravel | React | FastAPI | QDrant

March 2023
February 2023

Backend Developer, INTERVIEWEB SRL, TURIN, IT
> Designed and developed features for InRecruiting using a microservices architecture.

Docker | Microservices | NodeJS

January 2023
September 2022

Thesis Project - Data Scientist, ALTEN ITALIA S.P.A., TURIN, IT
> Study and analysis of Time Series data for Anomaly Detection.
> Application of Machine Learning methods.

Machine Learning | Deep Learning | Anomaly Detection | Time Series

September 2022 December 2019	**Full Stack Developer, S**GUANG **I**NFORMATICA **SRL, S**AN **R**OCCO **CN, IT** › Web development of management software with functionalities and specifications provided by client companies using **Javascript** (Vue.js) for the front end and **Python** (Django) for the back end. Involved in all stages of design and development: from data collection to deployment on servers. These management systems generally revolved around customer management, appointments, sales orders, quotes, rentals, interventions, or maintenance. › Web hosting, domain, and VPS management using services like Aruba, Register, and Netsons. › Web development of small applications with PHP. › Website development using Wordpress. Vue Django Wordpress XAMPP
August 2018 February 2018	**Junior Developer, EOS S**OLUTIONS **S.**P.A., S**ANT**'A**LBANO **S**TURA **CN, IT** Software development for the ERP Microsoft Dynamics® NAV: › Designed and developed software for interfacing with milk analysis machines, using Microsoft Dynamics NAV. Microsoft Dynamics NAV Microsoft SQL Server
September 2017 August 2016	**Developer, W**EB&T**ECH **S**OLUTIONS, C**UNEO **CN, IT** › Web development of management software with functionalities and specifications provided by clients using the PHP language. PHP XAMPP

≣ SKILLS

Languages	Javascript, Python, Java, Kotlin, Dart, PHP, C#.
Frameworks	Flutter, Spring, Django, Vue, React, FastAPI, Laravel, ExtJS, Unity.
Mobile Development	Native (Java/Kotlin & XML/Compose) and Multi-platform (Flutter).
Database	MySQL, PostgreSQL, SQL Server, QDrant.
Development tools	Jetbains IDE, Code Editor, GIT, Jira, Docker, Heroku, CI.
Modelling	UML, ORM, BPMN.
AI	Data Analysis & Machine Learning Models

🔠 LANGUAGE

Italian	Native language.
English	Good listening, writing and comprehension skills. Discrete conversation skills.

⚙ SOFT SKILLS

Organizational skills	Ability to work in stressful situations, as public relations and deadlines of work activities.
Interpersonal Skills	Skills in managing group work and in achieving individual goals: › Willingness to face and compare new possibilities. › Good communication and interpersonal skills developed both in the school environment on the occasion of group projects, and at work. › Ability to independently manage one's own commitments with punctuality and precision.

🖥 PERSONAL PROJECT

TALKKIT   2024

Talkkit is a language learning application that allows you to converse with a virtual avatar. The mission is to offer an accessible, engaging and functional tool to become more fluent in foreign languages.
talkkit.io

AI   LLM   ChatBot   Apprendimento   Lingue   Mobile

UNSUPERVISED ANOMALY DETECTION FOR A MANIFACTURING INDUSTRY   2023

Matser's Degree Thesis Reaserch. The research was about Unsupervised Anomaly Detection on Time Series data from a manifacturing industry.
 github.com/lorisgir/TESI-MAGISTRALE   .

Machine Learning   Deep Learning   Time Series   Model Selection   Anomaly Detection

BOOKSRIVER   2022

Booksriver is a mobile application. It provides a large library of books in which the user can browse, indicate their progress in reading, write reviews and follow other users. The application has been developed in three variants: Native Android using Java and XML, Native Android using Kotlin and Compose, multi-platform using Flutter.
The backend was designed through a microservices architecture in Spring: two microservices along with EUREKA, a Gateway Service and RabbitMQ. For the deployment it has been used Docker-Compose and GitLab CI.
 github.com/lorisgir/Booksriver   .

Spring   Java   Kotlin   Dart   Flutter   Compose   Docker   Microservizi

DESIGN AND DEVELOPMENT OF A SOFTWARE FOR THE MANAGEMENT OF THE INDIVIDUALIZED CARE PLAN   2020

Degree Thesis project. The software developed offers digital support to health care workers in the nursing homes by computerizing the compilation of the documents of the Individualized Care Plan.

Vue   Django   PostgreSQL