

# DANIEL NAMAKI

 daniel@namaki.it  linkedin.com/in/danielnamaki  github.com/namawho  daniel.namaki.it

## work experience

JAN 2025 - PRESENT

**AI Engineer**, *Etic S.r.l.*, Remote

I design and implement AI solutions in both educational and business domains, focusing on real-production-ready deployment. My work involves building RAG pipelines with LangChain and LangGraph, leveraging vector databases like Qdrant and document stores like MongoDB. I optimize inference using Vllm or Groq and manage scalable infrastructure with Docker and Redis.

MAR 2023 - PRESENT

**Chief Technology Officer**, *Vision Studio S.r.l.*, Remote

Leading the design and development of Vision Studio's Web3-based ecosystem for digital art and NFTs. Key responsibilities: architected an ecosystem integrating web3 wallets and NFT management, developed applications using Angular, Ionic, Node.js, Express, MongoDB (infrastructure: Heroku, AWS S3, MongoDB Atlas) and deployed app to stores. Defined the technical roadmap of the company and managed relationships with suppliers

JUN 2024 - DEC 2024

**Software Engineer**, *Millennium S.p.A.*, Remote

Responsibilities include the development, testing, and deployment of a COM component using C# (.NET 8.0). This involves migrating a core library from .NET Framework (4.8) to .NET (8.0) and developing, testing, and deploying a gRPC bidirectional streaming service for file transfer. Tech Stack:

- Languages & Frameworks: C#, .NET 8.0, gRPC, COM Interoperability
- Infrastructure: Docker, Azure
- Database: PostgreSQL

OCT 2023 - JUN 2024

**High School Professor**, *Ministero dell'Istruzione e del Merito*, Florence, Italy

Taught 70+ students in courses such as Project Management and Business Organization, IT Systems Design, and Networking. Designed lesson plans to foster practical understanding of technology concepts, encouraging collaborative learning and critical thinking. Evaluated student performance and provided tailored feedback to support academic growth.

JUN 2022 - JUN 2023

**Full Stack Developer**, *Self-Employed*, Remote

- Front-End development of a Web3 project [ReactJS - EthersJS - Ethereum Blockchain]
- Full-Stack development of an order management platform within restaurant contexts [ReactJS - Node - Express - MongoDB]

## education

SEP 2023 - PRESENT

**MSc in Artificial Intelligence and Data Engineering**, *University of Pisa*

Relevant coursework:

Data Mining and Machine Learning, Computational Intelligence and Deep Learning, Multimedia Information Retrieval and Computer Vision, Large Scale and Multistructured Databases, Cloud Computing, Process Mining and Intelligence, Symbolic and Evolutionary Artificial Intelligence, Optimization Methods and Game Theory, Business and Project Management, Internet of Things, Mobile and Social Sensing Systems, Startup and Multidisciplinarity

APR 2025 - JUN 2025

**Postgraduate Visiting Researcher**, *Computing Science, University of Glasgow*

Research visit to complete the master's thesis project. Focused on advanced topics in Information Retrieval (IR), Large Language Models (LLMs) and Retrieval Augmented Generation (RAG) systems, exploring innovative techniques to enhance relevance, diversity, and efficiency in LLM-based retrieval pipelines.

SEP 2020 - SEP 2023

**BSc in Computer Engineering**, *University of Pisa*, 109/110

Bachelor Thesis: "Development of a recruitment module for drones swarms on an open-source autopilot platform" <https://github.com/NamaWho/stigmergy-drone-swarms>

SEP 2015 - JUL 2020

**I.T. Diploma**, *ITIS Antonio Meucci, Florence*, 100/100

---

## publications

Namaki Ghaneh Daniel, Respino Emanuele, Saggini Gianmaria, Settimelli Niccolò, Palmieri Maurizio, Vecchio Alessio, **Detecting and Locating Stress in Urban Settings with ChillIn**, In *8th EAI International Conference on Intelligent Transport Systems (EAI INTSYS 2024)*, 2024

---

## projects

RAG

**Rank Fusion and Cascading Retrieval for optimized retrieval and QA generation**, [GitHub Repository](#).

INFORMATION  
RETRIEVAL

**IR pipeline using TFIDF/BM25 to evaluate ranking accuracy on MSMARCO Passage**, [GitHub Repository](#).

MACHINE LEARNING

**Hotel booking cancellation prediction using machine learning techniques**, [GitHub Repository](#).

INTERNET OF THINGS

**IDIoT: An InDustrial IoT network for predictive maintenance**, [GitHub Repository](#).

SOCIAL SENSORS

**Detecting and Locating Stress in Urban Settings with ChillIn**, [GitHub Repository](#).

DRONE SWARMS

**Recruitment algorithm for drone swarms based on Stigmergy (bio-inspired behavior)**, [GitHub Repository](#).

---

## languages

ITALIAN

**Native speaker**

ENGLISH

**Professional working proficiency**

---

## courses

JUN 2019

**Blockchain Intensive**, *Blockchain Week Rome 2019*, Rome

NOV 2018 - MAR 2019

**National High School Model United Nations**, *New York City US*

---

## hobbies

**Musician in a cultural association**

**Youth group animator**

**Black belt in karate**