

Niccolò Quadrani

JUNIOR ROBOTIC SOFTWARE R&D ENGINEER

CONTACTS & INFO

-  niccoloquadrani13@gmail.com
-  Niccolò Quadrani
-  Quadra-Ryo
-  30/01/2005

PROJECTS AND PASSIONS

I am an IT professional passionate about the web, personal finance, the FIRE movement, videogames, and motorcycles. In my free time, I enjoy keeping up to date on the markets through podcasts and books on personal finance and programming personal projects. When I develop something interesting or useful (e.g., my personal documentation versioning tool "Easy Versioning"), I share the code on my GitHub profile to support and give back to the community.

SKILLS

- Development problem solving skills, software design and development.
- Knowledge of **data structures** and **database**
- **C, Java, C# and Python.**
- **Android studio** application development.
- **Github, GitHub Organizations** management
- Robotic and Embedded programming experience

SPOKEN LANGUAGES

Italian - Native language
English - Advanced
German - Basic

EDUCATION

ITIS Galileo Galilei Arezzo

IT and Telecommunications
2018/2023

Fanuc Academy Italia

RO03DL Fanuc Robot programming course
10/2023 - 10/2023

Università di Pisa

Bachelor's Degree in Computer Science
2025/Present

Work Experience

NewGenerationSensors | 06/2022-05/2023 **Embedded Software Developer**

- Microcontroller software development (NRF520K) using **C** language
- Development of some **REST API** using **Python (FastAPI)** and **Docker Containers**
- Team development of a **BLE Beacon** for logistics
- Integration of lightweight lossless compressor
- Comparison, study and participation in **Blockchain** system development projects
- Participation in the **European Horizon 2020** project

ARS Automation | 08/2023 - Present **Junior R&D Robotic Engineer**

- Robotic field **software development** and drafting **technical documentation** (proprietary programming languages, **C, C++, JavaScript, Python, CODESYS** and **FANUC Karel**).
- **Testing and data analysis** of a 3D simulator by creating data analysis software in **Java**.
- Worked with **Shpinx framework (Phyton + MD)** to update the company's documentation.
- Development and testing of proprietary android application in **Java (Android Studio)**.
- Robots I've worked with: **FANUC, KUKA, YASKAWA, KASSOW, JAKA, ESTUN, SHIBAURA, SCHNEIDER, Universal Robots (UR and URCaps), DENSO, and Omron TM.**