

# 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.**