

NICOLÒ BARTELUCCI

I like to challenge my self to bring me to the next level.

Passionate about all the computer engineering world, especially about full-stack and mobile software engineering, Internet of Things and B2C solutions.



EDUCATION AND QUALIFICATIONS

Sep 2020 - Mar 2022

Master in Computer Engineering

University of Bologna, Bologna

Graduated with 110/110

Thesis: High-Level Metrics for Service Level Objective-aware Autoscaling in Polaris: a Performance Evaluation

Exams:

- Operating Systems M
- Digital Systems M
- Operations Research M
- Computational Languages and Models M
- Infrastructures for Cloud Computing and Big Data
- English Language Suitability B2
- Fundaments of Artificial Intelligence M
- Project Work on Mobile Systems M
- Mobile Systems M
- Intelligent Systems M
- Innovation and Project Management M
- Distributed Systems M
- Data Mining M

Sep 2017 - Oct 2020

Bachelor in Computer Engineering

University of Bologna, Bologna

Graduated with 100/110.

Thesis: Support Systems for Industry 4.0: MQTT and Apache Kafka performance evaluation

Exams:

- General Physics T-1
- Mathematical Analysis T-2
- Mathematical Analysis T-1
- Fundamentals of Computer Science T-1
- Fundamentals of Computer Science T-2
- Geometry and Algebra T
- English Language Suitability B1
- Logical Networks T
- Electrical Engineering T
- Economics and Business Organization T
- Electronic Calculators T
- General Physics T-2
- Operating Systems T
- Information Systems T
- Applied Mathematics T
- Telecommunications Fundamentals T
- Automatic Controls T
- Electronics T
- Computer Networks T
- Systems Administration Lab T
- Software Engineering T
- Web Technologies T

06/05/2022

INTERESTS

- App & Software Development
- Computer Science & Engineering
- iOS & Android
- Internet of Things & Consumer electronics
- Sportsman, Calisthenics, HandBalance, Swimmer
- Travelling and learning foreign cultures
- Fashion & Sneakers
- Healthy Lifestyle & Foods

CHARACTERISTICS

- Gets on well with people of all ages.
- Open to new ideas and suggestions, flexible worker.
- Teamwork skills, shows commitment and/or reliability
- Excellent practical skills, technically minded, problem solving skills.
- Good attendance record, punctual and reliable.
- Able to meet deadlines, excellent planning skills, effective time management.
- Able to stay calm and work well under pressure.
- Use a creative approach to problem solve.

Sep 2011 - Jul 2016 **Liceo Scientifico Scienze Applicate**
Liceo Scientifico L. Da Vinci Jesi, Jesi
Graduated with 76/100



UNIVERSITY PROJECTS

I have worked on several projects during my academic career (on my personal GitHub).

- Neural network training to recognize road signs in TensorFlow and Python, deployed on iOS and Android.
- A smart player with a state tree search algorithm in Kotlin for a University Game Challenge "Tablut"
- A simple Android game with Unity and a study of Android Game SDK (in particular Android Frame Pacing) for my project work in Mobile Systems M



PERSONAL PROJECTS

Developed a Chrome Extension leveraging on Chrome Extensions API and basis of webscraping



COURSES

- Jul 2015 - Aug 2015 **Training Internship at Loccioni Group**
Loccioni Group
Data Manipulation with OLAP Cubes and Business Intelligence
- Aug 2015 - Aug 2015 **English Course**
Bournemouth School of English
B1



CERTIFICATES

- 2015 **PET - B1**
- 2020 **Idoneità Inglese B2 UNIBO**



WORK EXPERIENCE

- Sep 2021 - Dec 2021 **Visiting Scientist**
Vienna
During my stay as a Visiting Scientist, I researched for my thesis in Distributed System and the paper "High-Level Metrics for Service Level Objective-aware Autoscaling in Polaris: a Performance Evaluation", submitted and accepted for publication at ICPEC22.



PUBLICATIONS

1. N. Bartelucci, P. Bellavista, T. Pusztai, A. Morichetta and S. Dustdar, "High-Level Metrics for Service Level Objective-aware Autoscaling in Polaris: a Performance Evaluation," in *2022 IEEE 6th International Conference on Fog and Edge Computing (ICFEC)*, Taormina, Italy, 2022.

05/05/2022