BENEDETTO
SIMONE

PERSONAL INFORMATION

Name: Benedetto

Surname: Simone

Nationality: Italian

Date of birth: 07 FEB 2000

Driving licence: B

CONTACTS

🐙 https://github.com/BenedettoSimone

🌐 https://benedettosimone.github.io

in benedettosimone

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📍 Via Bocca 92, Frasso Telesino (BN), IT

LANGUAGE SKILLS

Native language: Italian

Other languages: English

- Reading   B2
- Writing   B2
- Speaking   B2

HOBBIES

- **Swimming:** I have partecipated in swimming competitions for 17 years winning more than 70 regional competitions, which has taught me discipline and perseverance.
- **Design:** I am passionate about creating visual content using software tools such as Photoshop and Illustrator, always exploring new techniques and styles. I am particularly fascinated by aesthetics.
- **Photography:** I like capturing moments and expressing my creativity through photography.

EDUCATION

MASTER'S DEGREE IN COMPUTER SCIENCE - INTERNET OF THINGS CURRICULUM (ENGLISH)

University of Salerno, Fisciano (SA), Italy

Grade average: 29.567
Remaining exams: 0

Professional subjects studied include: Robot Programming, Serverless Computing, Context Aware Security Analytics In Computer Vision, Software Dependability, IoT Security.

SEP 2018 - DEC 2021

BACHELOR'S DEGREE IN COMPUTER SCIENCE

University of Salerno, Fisciano (SA), Italy

Thesis: "Design and development of an Android App to support firefighting field operations for Fire Departments".
Final grade: 98/110.

Professional subjects studied include: Database Systems, Web Software Technologies, Distributed Programming, Software Engineering.

WORK EXPERIENCES

MAY 2022 - NOV 2022

RESEARCH GRANT

University of Salerno, Fisciano (SA), Italy

Research activities on "Development of systems for user authentication and new skin making (Humanization/Gamification)" funded under the research project "Multibiometry in the wild".

OTHER EXPERIENCES

SUMMER 2019   SUMMER 2020   SUMMER 2022   SUMMER 2023

LIFEGUARD

Piscina Parco Angelina, Telese Terme (BN), Italy

Lifeguard, pool maintenance, water filter maintenance, reservation management.

TECHNICAL SKILLS

C   ●●●○○○○
Java   ●●●●●○
CSS   ●●●●●○
Python   ●●●●●○

JavaScript ●●●●●●
HTML   ●●●●●○
SQL   ●●●●●○

Good capabilities in **Android application** development, **database management** and **web application** development. Good knowledge of **Servlet**, **Ajax** and **JQuery**. Good capabilities in **REST API** development with the **Flask framework**. Basic knowledge of **Serverless architecture** development using **AWS** (**DynamoDB, SQS queue, S3 bucket, Lambda function**). Basic knowledge of **ROS**, the **MoveIt!** framework and **Gazebo** for prototyping and robot development. Good knowledge of Machine Learning models such as **Decision Tree Classifier** and **CNN** as well as **Genetic Algorithms**. Excellent knowledge of the **MQTT** communication protocol, the **Node-RED** tool and **Arduino**. Excellent skills in designing intuitive and user-friendly user interfaces as well as in analyzing end-user needs to ensure an optimal **user experience**.

Testing Software: Katalon, Selenium.
IDE used: Intellij, Eclipse, Netbeans, AndroidStudio, PyCharm, Arduino IDE.
Graphic software: Photoshop, Adobe Illustrator, Adobe Xd, Figma, Canva.

ORGANIZATIONAL SKILLS

Excellent organizational skills acquired and put into practice while participating in group projects and organizing university parties. In addition, my work experience as a Lifeguard has given me skills in managing the flow of people and ensuring the safety of pool guests, especially during busy times.

Thanks to these experiences, I have improved my working techniques and cooperation with others by learning to focus on the essential aspects of the tasks to be performed and to meet requests and deadlines in a timely and precise manner.

INTERPERSONAL SKILLS

Excellent interpersonal skills acquired while carrying out university group projects, thanks to various discussions regarding technical choices for their implementation.

My four-year experience as a Lifeguard where I had the opportunity to interact with numerous people on a daily basis contributed to the improvement of these skills.

UNIVERSITY PROJECTS

FEB 2023

Ketocare - SERVERLESS COMPUTING
https://github.com/BenedettoSimone/KetoCare

Application to support doctors in monitoring diabetes and preventing diabetic ketoacidosis. The project is based on an IoT Cloud architecture where each sensor (placed on each patient) collects information about blood pH and sends them on Cloud where they are processed through Serverless Computing and stored in a NoSQL database.

DEC 2022

RoboticArm - ROBOT PROGRAMMING
https://github.com/BenedettoSimone/RoboticArm

Robotic arm to classify canned drinks and place them in the appropriate sections during the manufacturing phase.

NOV 2022

SmartCity-Arduino - LAB OF IOT
https://github.com/BenedettoSimone/SmartCity-Arduino

The project treats the development of an IoT smart city using Arduino. The smart city is equipped with the following functionalities: Smart lighting, Smart parking, Air quality monitoring, Flood management.

PUBLICATIONS

Cirillo S, Polese G, Salerno D, Simone B, Solimando G. **Towards Flexible Voice Assistants: Evaluating Privacy and Security Needs in IoT-enabled Smart Homes.** FMDB Transactions on Sustainable Computer Letters. 2023;1(1):25-32.

I agree to the treatment of my personal data according to Dlgs 196 of 30 June 2003

Simone Benedetto