



Susanna Peretti

Home: C. De Caesaris 81, 65017 PENNE (PE) URBINO (PU)

Mobile: 3289011431

E-mail: susa.peretti@gmail.com

Address(es) 2: Via di Santa Maria, 4, 61029

Gender: Female | **Date of birth:** May 19 1999 | **Nationality:** Italy

WORK EXPERIENCE

[01/2024 - present]

Research scholarship

Università degli Studi di Urbino 'Carlo Bo', Piazza della Repubblica, 13 - URBINO (PU) Italy

Company sector: Engineering and design

Business or sector: computer science, data processing and acquisition

Main activities and responsibilities: The project aims to develop IoT solutions using shallow and deep learning for semantic activity recognition. It focuses on analyzing signals from wearable devices, selecting relevant features, and assessing computational efficiency.

[02/2023 - 08/2023]

Internship

Università degli Studi di Urbino 'Carlo Bo', Piazza della Repubblica, 13 - URBINO (PU) Italy

Company sector: Engineering and design

Business or sector: computer science, data processing and acquisition

Main activities and responsibilities: The internship involves the analysis and utilization of various methods of digital signal processing (DSP) for human activity recognition using machine learning algorithms. The goal is to explore different DSP techniques to extract and analyze relevant features from signals coming from wearable sensors that record human body movements.

[06/2022 - 08/2022]

Database administrator

Estia Energie, Largo S. Francesco - PENNE (PE) Italy

Company sector: Marketing

Business or sector: energy, gas, water, mining

Main activities and responsibilities: During my two-month internship, I had the opportunity to efficiently utilize the company's management software to handle both new and existing customers. I also updated the company's database, ensuring its accuracy and completeness at all times

EDUCATION AND TRAINING

[2023 - 2025]

Informatica e Innovazione Digitale

Università degli Studi di URBINO 'Carlo BO'

Town: URBINO

2nd level degree in Computer Science

EQF level: 7

NQF level: 2nd cycle degree/Master of Science (2 years)

[2020 - 2023]

Computer Science and Digital Innovation

Università degli Studi di URBINO 'Carlo BO'

Town: URBINO

1st level degree in Computer Science

Final degree mark: 108/110

EQF level: 6

NQF level: 1st cycle degree/Bachelor (3 years)

Dissertation/thesis title: Impact of feature selection on pattern identification in handwashing (experimental)

PRE-UNIVERSITY STUDIES

[2018]

Secondary school diploma: Scientific High School, Applied Sciences option
Italian secondary school diploma

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s)

English

LISTENING: B2 READING: C1 WRITING: B2
SPOKEN INTERACTION: B2 SPOKEN PRODUCTION: B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

DIGITAL COMPETENCES

SELF-ASSESSMENT				
INFORMATION AND DATA LITERACY	COMMUNICATION AND COLLABORATION	DIGITAL CONTENT CREATION	SAFETY	PROBLEM SOLVING
Independent user	Proficient user	Proficient user	Independent user	Independent user

Digital competences - Self-assessment grid

Basic digital competence:

OFFICE AUTOMATION

Spreadsheets: Microsoft Excel (Foundation)

COMPUTER PROGRAMMING

Build Automation: OpenWrt Buildroot (Foundation) | Development Models: ER model (Foundation) | Integrated development environments (IDE): Eclipse (Intermediate) , IntelliJ IDEA (Foundation) , NetBeans (Intermediate) , Visual Studio (Advanced) | Markup languages: CSS (Foundation) , HTML (Foundation) , LaTeX (Advanced) | Programming languages: C (Intermediate) , Dart (Foundation) , Erlang (Intermediate) , Haskell (Foundation) , Java (Advanced) , JavaFX Script (Foundation) , JavaScript (Foundation) , Prolog (Foundation) , Python (Intermediate)

SYSTEMS AND NETWORKS MANAGEMENT

Operating systems: Linux (Intermediate) , Microsoft Windows (Intermediate)

DATA MANAGEMENT

DBMS: MongoDB (Foundation) , MySQL (Intermediate)

GRAPHICS AND MULTIMEDIA

Raster graphic editor: Adobe Photoshop (Intermediate) , Procreate (Intermediate) | Video Editing and Processing: Adobe Premiere Pro (Foundation)

DRIVING LICENCE

Driving licence category B / Car available

PUBLICATIONS

Presentation	"An Experimental Study on the Energy Efficiency of Features Selection for Human Activity Recognition with wrist-worn Devices" ; Susanna Peretti, Chiara Contoli, Emanuele Lattanzi (2024)
Journal articles	"Semantic Template Recognition of Human Activities in Wearable Sensor Data Using Siamese Network" ; Emanuele Lattanzi, Chiara Contoli, Lorenzo Calisti, Giacomo Di Fabrizio, Nicholas Kania, Susanna Peretti (2024)
Presentation	"Complexity-aware Features Selection for Wrist-worn Human Activity Recognition" ; Susanna Peretti, Chiara Contoli, Emanuele Lattanzi (2024)