

## PERSONAL INFORMATION

ANDREA MONTERUBBIANO

## WORK EXPERIENCE

Feb 2023 - Jul 2023

## Research Intern

Huawei France - PARIS France

Business or sector R&amp;D and patents , communication and telecommunications

Jul 2020 - Oct 2020

## IT Consultant

Product development working on microcontrollers/embedded platforms

WSense S.r.l. (RM) Italy

Business or sector R&amp;D and patents , computer science, data processing and acquisition

Jan 2020 - Mar 2020

## IT Consultant

Research and development in the field of underwater acoustic localization systems

WSense S.r.l. (RM) Italy

Business or sector R&amp;D and patents , computer science, data processing and acquisition

Feb 2019 - Aug 2019

## R&amp;D Engineer

Research in the field of acoustic underwater networks

WSense S.r.l. , Guido Donizetti - ROMA (RM) Italy

Business or sector R&amp;D and patents , computer science, data processing and acquisition

Jun 2016 - May 2017

## Developer

Back end programming (PHP +Zend), database management (MySQL), basic front end programming (Javascript, jQuery and Bootstrap), basic server management (Linux + Apache web server)

Syrus Industry , del Fontanile Anagnino - CIAMPINO (RM) Italy

Business or sector Engineering and design , computer science, data processing and acquisition

## EDUCATION AND TRAINING

2020 - 2024

## Dottorato in Informatica

EQF level 8

Sapienza Università di Roma - Informatica

Doctor of Philosophy (Ph.D.)

2017 - 2020

## COMPUTER SCIENCE - INFORMATICA

EQF level 7

Sapienza Università di Roma - Faculty of Computer Science and Statistic

2nd cycle degree/Master of Science (2 years)

2011 - 2017

## INFORMATICA

EQF level 6

Sapienza Università di Roma - Faculty of Computer Science and Statistic

1st cycle degree/Bachelor (3 years)

## Postgraduate studies

## STUDENT GRANT

2018 - 2019 (12 months)

Borsa di collaborazione per attività di ricerca

Sapienza Università di Roma

Description: Borsa di studio avente ad oggetto l'attività di ricerca inerente il tema 'Progettazione, Implementazione e Test di Protocolli di Sincronizzazione e Localizzazione e di Protocolli di Comunicazione per Reti di Sensori Sottomarine' presso il Dipartimento di Informatica - Università degli Studi di Roma 'La Sapienza'

## PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

UNDERSTANDING

SPEAKING

WRITING

| English                                                                                                                              | Listening |             | Reading |            | Spoken interaction |             | Spoken production |             |    |            |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|---------|------------|--------------------|-------------|-------------------|-------------|----|------------|
|                                                                                                                                      | B2        | Independent | C1      | Proficient | B2                 | Independent | B2                | Independent | C1 | Proficient |
| English: IELTS - British Council, 22 04 2017 - European level: C1                                                                    |           |             |         |            |                    |             |                   |             |    |            |
| Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user<br>Common European Framework of Reference for Languages |           |             |         |            |                    |             |                   |             |    |            |

## Digital competences

| SELF-ASSESSMENT        |               |                  |        |                 |
|------------------------|---------------|------------------|--------|-----------------|
| INFORMATION PROCESSING | COMMUNICATION | CONTENT CREATION | SAFETY | PROBLEM SOLVING |
| -                      | -             | -                | -      | -               |

Digital competences - Self-assessment grid

### Basic digital competence:

#### COMPUTER PROGRAMMING

**Programming languages:** C (Intermediate) , C++ (Foundation) , Python (Foundation) | **Web Programming:** (Foundation) , PHP (Foundation)

#### SYSTEMS AND NETWORKS MANAGEMENT

**Embedded systems:** (Intermediate) | **Operating systems:** (Foundation)

#### DATA MANAGEMENT

**DBMS:** (Foundation)

Driving licence B

## PUBLICATIONS

### Conference proceedings

"Learned data structures for per-flow measurements" ; Andrea Monterubbiano, Raphael Azorin, Gabriele Castellano, Massimo Gallo, and Salvatore Pontarelli ; Proceedings of the 3rd International CoNEXT Student Workshop (CoNEXT-SW '22) ; ACM (2022)  
[dl.acm.org/doi/abs/10.1145/3565477.3569147](https://dl.acm.org/doi/abs/10.1145/3565477.3569147)

### Journal articles

"The Diver System: Multimedia Communication and Localization Using Underwater Acoustic Networks" ; M. Bernardi, C. Cardia, P. Gjanci, A.Monterubbiano, C. Petrioli, L. Picari et al ; IEEE 20th International Symposium on'A World of Wireless, Mobile and Multimedia' ; IEEE (2019)  
[ieeexplore.ieee.org/document/8792924](https://ieeexplore.ieee.org/document/8792924)