Samuele Burattini

Home: Via Machiavelli 250, 47521 CESENA (FC)   **Mobile**:3408183930

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Gender: Male | **Date of birth**: Jan 20 1998 | **Nationality**: Italy

PREFERRED JOB

Software Engineer, Developer

WORK EXPERIENCE

[11/2022 - 11/2025]

PhD Student
Alma Mater Studiorum - Università di Bologna - CESENA (FC) Italy
Company sector: R&D and patents
Business or sector: computer science, data processing and acquisition
Main activities and responsibilities: PhD Project on 'Digital Twins Ecosystems for the clinical, strategic and process governance in Healthcare' funded by the European Union - NextGenerationEU and Azienda Unità Sanitaria Locale (AUSL) della Romagna through the Italian 'National Recovery and Resilience Plan' (PNRR) Mission 4, Component 2, Investment 3.3 (DM 352/2022) - CUP J33C22001400009

[01/2023 - 07/2025]

Docente a progetto
Formart , Ilaria Alpi, 65 - CESENA (FC) Italy
Company sector: Human Resources
Business or sector: computer science, data processing and acquisition
Main activities and responsibilities: Docenza di circa 30 ore all'anno su contesto Smart Manufacturing e Industria 4.0 per il corso IFTS - TECNICO DEL DISEGNO E PROGETTAZIONE INDUSTRIALE SPECIALIZZATO IN SMART MANUFACTURING

[08/2024 - 11/2024]

Visiting Researcher
University College Dublin - DUBLINO Ireland
Company sector: R&D and patents
Business or sector: computer science, data processing and acquisition
Main activities and responsibilities: Working on Multi-Agent Systems and Digital Twins

[01/2024 - 04/2024]

Visiting Researcher
Ecole des Mines de Saint-Étienne - SAINT-ÉTIENNE France
Company sector: R&D and patents
Business or sector: computer science, data processing and acquisition
Main activities and responsibilities: Semantic Web and knowledge representation in Digital Twins

[05/2022 - 11/2022]

Research Fellow
Alma Mater Studiorum - Università di Bologna , dell'Università 50 - CESENA (FC) Italy
Company sector: R&D and patents
Business or sector: computer science, data processing and acquisition
Main activities and responsibilities: AUSL Romagna funded research grant for projects in Healthcare 4.0

[09/2021 - 12/2021]

Master Thesis Internship
University of St. Gallen - ST. GALLEN Switzerland
Company sector: R&D and patents
Business or sector: computer science, data processing and acquisition
Main activities and responsibilities: Visual Programming Interface for programming Multi-Agent Systems in Web of Things environments

[09/2020 - 09/2021]

Teaching Tutor
Alma Mater Studiorum - Università di Bologna - CESENA (FC) Italy
Company sector: Human Resources

Business or sector: computer science, data processing and acquisition

Main activities and responsibilities: Tutor Didattico per i corsi di Architetture degli Elaboratori e Programmazione C del primo anno del corso di laurea triennale in Ingegneria e Scienze Informatiche

Acquired skills and achieved objectives: Coordinazione con i docenti nella programmazione di attività laboratoriali, trasferimento delle conoscenze, valutazione di elaborati.

[06/2021 - 07/2021] ### Project lecturer in Computer Science
Alma Mater Studiorum - Università di Bologna - CESENA (FC) Italy

Company sector: Human Resources

Business or sector: computer science, data processing and acquisition

Main activities and responsibilities: Docente nell'ambito del progetto Ragazze Digitali che mira ad avvicinare le ragazze delle superiori al mondo del coding tendenzialmente a maggioranza maschile.

Acquired skills and achieved objectives: Modulo del corso sullo sviluppo di applicazioni Android attraverso l'uso di linguaggi a blocchi

EDUCATION AND TRAINING

[2022 - present] ### Computer Science and Engineering
Alma Mater Studiorum - Università di Bologna

Town: BOLOGNA

EQF level: 8

NQF level: Doctor of Philosophy (Ph.D.)

Dissertation/thesis title: Digital Twin Ecosystems for Intelligent Applications in Healthcare

[2019 - 2022] ### Master Degree in Computer Science and Engineering
Alma Mater Studiorum - Università di Bologna

Town: BOLOGNA

2nd level degree in Computer engineering

Final degree mark: 110/110 cum laude

EQF level: 7

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

Dissertation/thesis title: Agent Oriented End-User Programming for the Web of Things

[2016 - 2019] ### Degree in Computer Science and Engineering
Alma Mater Studiorum - Università di Bologna

Town: BOLOGNA

1st level degree in Information technology

Final degree mark: 110/110 cum laude

EQF level: 6

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

Dissertation/thesis title: Realtà Mista multi-piattaforma: studio e implementazione di un layer di interoperabilità nel framework per mondi aumentati MiRAgE

PRE-UNIVERSITY STUDIES

[2016] **Secondary school diploma**: Scientific High School
Italian secondary school diploma

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s)

English
LISTENING: C1 **READING:** C2 **WRITING:** B2
SPOKEN INTERACTION: C1 **SPOKEN PRODUCTION:** B2

Diploma(s) or certificate(s)
English: IELTS - British Council, 08 02 2020 - European level: C1

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

ACADEMIC STUDIES IN FOREIGN COUNTRIES

Other experience acknowledged by the course of study

Periodo all'estero
Language: English
Duration of studies in months: 3
Foreign country where the academic studies were carried out: Dublino (Ireland)
Other experience acknowledged by the course of study
Periodo all'estero
Language: English
Duration of studies in months: 3
Foreign country where the academic studies were carried out: Saint-Étienne (France)
Other experience acknowledged by the course of study
Tesi all'estero
Language: English
Duration of studies in months: 4
Foreign country where the academic studies were carried out: SVIZZERA (Switzerland)

OTHER SKILLS

Communication skills
Good communication skills gained through multiple group project in my University Carreer.
Organisational / managerial skills
Knowledge in activities and events planning and organization.
Use of methods of group coordination.
Other skills
Multiple years as a Scout educator.

DIGITAL COMPETENCES

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

Digital competences - Self-assessment grid

Basic digital competence:

COMPUTER PROGRAMMING
Javascript libraries: Vue.js (Intermediate) | **Parallele computing:** Programmazione di GPU (Foundation) | **Programming languages:** C# (Intermediate) , Java (Advanced) , Python (Foundation) | **Video game creation systems:** Unity (Intermediate) | **Web Programming:** Node.js (Intermediate)

DATA MANAGEMENT
Tecniche di Machine Learning (Intermediate)

DRIVING LICENCE

Driving licence category B