

## Research Fellow @ UniBo

1990, PhD Student in CS&Eng

### Research and Teaching

2016 →

#### Research, community, teaching

- Papers** 20 papers in conferences and journals; h-index 7 (SCOPUS)
- Service** AAMAS'20 Reviewer, eCAS'19 Chair, eCAS'17 PC
- Edu** Teaching in BBS open-program IoT; BEng & MEng courses tutoring; teaching in IFTS'17-18

### Education

2016/11 → 2020/06 (est.)

Università di Bologna

#### PhD Programme in Computer Science and Engineering

**Themes** Collective Adaptive Systems; Internet of Things

2013/09 → 2016/03

Università di Bologna

#### Master's Degree in Computer Science and Engineering

- Grade** Summa Cum Laude (Grade Average: 30/30, 6 laudes)
- Thesis** *Aggregate Programming in Scala: a Core Library and Actor-based Platform for Distributed Computational Fields*

2009/09 → 2013/03

Università di Bologna

#### Bachelor's Degree in Electronics, Informatics, and Telecommunications Engineering

- Grade** Summa Cum Laude (Grade Average: 29.29/30, 5 laudes)
- Thesis** *Reuse Mechanisms and Concurrency: from Actors to Agent-oriented Programming*

### Awards

2017

Faenza (Italy)

#### Best master graduate student (G.Bassi 2017 prize)

Winner of prize *Gianni Bassi*, with 5000€ scholarship, issued by Rotary Club Faenza for *Best Master Graduate Student* across all Engineering faculties of Romagna (district 2072) based on Grade Average.

### Open-source/academic projects

2016 → now

#### SCAFI (Lead developer)

Scala with Computational Fields (SCAFI): a toolkit for Aggregate Computing in Scala comprising a DSL, simulator, & distributed platform.

2017

#### ALCHEMIST (Contributor)

Alchemist is a meta-simulator tailored to pervasive computing.

### Skills and expertise

Note: this section is only indicative; current level of mastery can vary; by no means exhaustive.

Legend:	Used/Studied	Solid	Mastery
<b>Paradigms</b>	Imperative OOP	Functional Reactive	Async Logic
<b>PLs</b>	Scala C#	Java/Kotlin C/C++	Rust Python
<b>Arch</b>	Patterns	(μ)Services	Cloud-native
<b>Devops</b>	Docker, K8s	Gradle	Travis
<b>Data</b>	SQL	NoSQL	ML
<b>Cloud</b>	Google Cloud	AWS	Heroku
<b>Web</b>	HTML5	CSS3	JavaScript
<b>Toolkits</b>	Akka Spring	Rails ASP.NET MVC	Vert.x RabbitMQ

### Work Experience

2015/09 → 2015/12

Apex-Net (WEDO), Cesena (Italy)

#### Software Engineer

Web application development in ASP.NET MVC and JavaScript within a Scrum/Kanban process framework.

2014/03 → 2014/09

Apex-Net (WEDO), Cesena (Italy)

#### Software Engineer

Development of a Windows 8.1 application in C#/XAML and development of the related WCF back-end service for SharePoint integration.

I hereby authorize the use of my personal data in accordance to the GDPR (General Data Protection Regulation) 679/16 – “European regulation on the protection of personal data”.

Signature

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