

# MARTINA BAIARDI

## Computer Science and Engineering Student

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📍 Cesena, Italy

🌐 [github.com/anitvam](https://github.com/anitvam)

in [linkedin.com/in/martina-baiardi](https://www.linkedin.com/in/martina-baiardi)

## EDUCATION

### M.Sc. in Engineering and Computer Science

University of Bologna

📅 2020 – ongoing

📍 Cesena, Italy

### B.Sc. in Engineering and Computer Science

University of Bologna

📅 2017 – 2020

📍 Cesena, Italy

110L/110

Thesis: Controllo e Scalabilità Automatizzati in Cluster Kubernetes

Supervisor: Vittorio Ghini

### Accounting degree in Business Information Systems

Istituto Tecnico Economico "R. Serra"

📅 2017

📍 Cesena, Italy

100/100

## INTERESTS

Kubernetes

CI & CD

Microservices

User Experience and User Interface

Design

Photography

## PROFESSIONAL SKILLS

### Programming Languages

Java, Vue, Javascript, C, Kotlin, Scala, Python, PHP, C#, C++, Android

### Technologies

Git, Docker, Kubernetes, Ansible

### Patterns & Practices

Object Oriented Programming, Functional Programming, Agent Programming

### Project Management

Scrum, Agile

## EXPERIENCE

### Research Scholarship for hardware system management within the StairwAI project

DISI

📅 March to September 2023

📍 University of Bologna

Supervisor: Andrea Borghesi

### Tutor for the course "Programmazione ad Oggetti"

Laurea in Ingegneria e Scienze Informatiche

📅 Academic Year 2022/2023

📍 University of Bologna

Supervisor: Mirko Viroli

### Tutor for the course "Sistemi Virtualizzati"

Laurea in Tecnologie dei Sistemi Informatici

📅 Academic Year 2021/2022

📍 University of Bologna

📅 Academic Year 2022/2023

Supervisor: Vittorio Ghini

### Tutor for the course "Metodi Numerici"

Laurea in Ingegneria e Scienze Informatiche

📅 Academic Year 2021/2022

📍 University of Bologna

Supervisor: Lucia Romani

### Web Developer

Blockvision

📅 2020 to 2022

📍 Cesena, Italy

### Curricular Internship

University of Bologna - Cesena, Italy

📅 March to May 2020

📍 Cesena, Italy

Study of a Kubernetes cluster: main aspects, tools and realization of a cluster on virtual machines

# PROJECTS

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## Smart Waste Collection

 [github.com/SmartWasteCollection](https://github.com/SmartWasteCollection)

 [smartwastecollection.github.io/documentation](https://smartwastecollection.github.io/documentation)

*April to October 2022*

The aim of the project was to optimize the management of waste collection using **Digital Twins** over a simulated environment. The project was made for academic purposes for "Laboratorio dei Sistemi Software" and "Pervasive Computing" courses.

**Language:** Kotlin

**Technologies:** Digital Twins, Microservices, Azure Cloud, CI/CD

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## Smart Subway

2022

The objective was to create a smart system for the management and monitoring of metropolitan stations. The topic was used for the development of two projects for two different Master Degree courses: the first was "Smart City e Tecnologie Mobili" course regarding an implementation using AWS technologies, the second was "Project Management" course to carry out all Project Management Lifecycle phases.

**Technologies:** AWS Cloud, IoT, RFID

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## Bunny Survival

 [github.com/anitvam/pps-bunny](https://github.com/anitvam/pps-bunny)

*August to October 2021*

An open-source simulator of a bunny population made for academic purposes under the course "Paradigmi di Programmazione e Sviluppo" inspired from the interactive simulator [Natural Selection](#) developed by University of Colorado.

**Language:** Scala

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## Ca' Foscari Jisho

 [jisho.unive.it](https://jisho.unive.it)

*May to July 2021*

Web application for italian-japanese translations made for academic purposes under the course "Applicazioni and Servizi Web" in collaboration with the research group [EDRDG](#).

**Technologies:** Vue, Docker, Ansible, Javascript

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