

# Luigi Borriello

swe.luigiborriello@gmail.com | Birth Date: 15-05-2000 | +39 3667154519

## EDUCATION

**UNIVERSITY OF BOLOGNA**  
M.ENG IN COMPUTER SCIENCE &  
ENGINEERING  
Feb 2023 - Oct 2025 | Cesena, IT  
GPA: 4.0 / 4.0

**UNIVERSITY OF BOLOGNA**  
B.SC IN COMPUTER SCIENCE &  
ENGINEERING  
Sep 2019 - Oct 2022 | Cesena, IT  
GPA: 3.75 / 4.0

**I.T.I.S. "VOLTERRA ELIA"**  
TECHNICAL EXPERT IN COMPUTER  
SCIENCE  
Sep 2014 - Jul 2019 | Rimini, IT  
GPA: 3.4 / 4.0

## LINKS

Github:// [luigi-borriello00](#)  
LinkedIn:// [luigi-borriello](#)

## COURSEWORK

### GRADUATE

Machine Learning  
Big Data  
Distributed Systems  
Web Applications & Services  
Cybersecurity  
Development & Programming Paradigms  
Concurrent & Distributed Programming  
Software Architectures & Platforms

### UNDERGRADUATE

Algorithms & Data Structures  
Operating Systems  
Object Oriented Programming  
Software Engineering  
Network Programming  
Computer Vision

## SKILLS

• Java • Kotlin • Scala • Python •  
Javascript • Typescript • Bash • C • PHP  
• Docker • Node.js • Git • GitFlow •  
Continuous Integration • Domain Driven  
Design • Test Driven Design • Object  
Oriented Programming • Functional  
Programming • Agile Development

## LANGUAGES

• Italian: Native Speaker  
• English: B2

## EXPERIENCE

### GO REPLY | CLOUD ENGINEER

Jan 2026 - Now | Milan, IT  
• Software Engineering • Google Cloud • Full-stack development  
• IT consulting and cloud-native development on Google Cloud Platform.

### UNIVERSITÄT ST.GALLEN (HSG) | RESEARCH INTERN

Mar 2025 - Jun 2025 | St. Gallen, CH  
• Domain Driven Design (DDD) • Autonomous System • MAS • AI Agents  
  
• Extending Domain Driven Design framework in order to make it capable of modeling dynamic complexity in autonomous systems

### SER.IN.AR. | IT EXPERT - INNOVAMENTE PROJECT

June 2024 - now | Cesena, IT  
• Scratch • Snap • Problem Solving • Robotics • Computational thinking  
  
• I have taught computer science courses in several schools, both elementary and middle, touching on various topics to introduce kids to coding, robotics, computational thinking and problem solving.

### SELF-EMPLOYED | PROGRAMMING TUTORING

Oct 2023 - now | Cesena, IT | Remote  
• C • Java • Python • Javascript  
  
• Tutoring bachelor's degree students for Programming, Object Oriented Programming, Web Technologies and Machine Learning exams.

### UNIVERSITY OF BOLOGNA | RESEARCH INTERN

Mar 2022 - Aug 2022 | Cesena, IT  
• Machine Learning • Arduino • TinyML  
  
• Carrying out several experiments trying to identify challenges and opportunities related to TinyML. Specifically, the performance of some ML algorithms embedded in an Arduino Nano 33 BLE Sense board through a TinyML framework is evaluated and analyzed.

## PROJECTS

### PIPERCHAT | MICROSERVICES-BASED DISCORD CLONE

Github:// [Piperchat](#)  
• NodeJs • Typescript • MongoDB • Vue.js • Express • Rest API • Socket.io •  
WebRTC • JWT • RabbitMQ • Docker • Traefik • Jest  
  
• Development of videochat application inspired by Discord with a non-trivial microservice-based architecture.

### SCATAN | SCALA-BASED SETTLERS OF CATAN CLONE

Github:// [Scatan](#)  
• Scala • Sbt • ScalaJs • Laminar  
  
• Implementing a clone of Settlers of Catan using Scala advanced patterns.

### PIPER-KT | PIPERCHAT REIMPLEMENTATION

Github:// [Piper-kt](#)  
• Kotlin • Kafka • Micronaut • MongoDB • Kubernetes • Cucumber • Mockito  
  
• Reimplementation and reengineering of the previous piperchat project, using advanced software design and develop techniques such as Domain Driven Design and Clean Architecture patterns.