



**Daniele**  
Santini

**DATE OF BIRTH:**  
20/02/1995

## CONTACT

Nationality: Italian

Gender: Male



Imola, Italy



[danysan95@gmail.com](mailto:danysan95@gmail.com)



[www.dsantini.it](http://www.dsantini.it)

LinkedIn: [linkedin.com/in/ds0/](https://www.linkedin.com/in/ds0/)

## WORK EXPERIENCE

**04/2019 - CURRENT** - Imola, Italy

### Full-stack web developer

Sis.Ter

**Full-stack web development** (jQuery, Kendo, Geomoose, PHP, PostgreSQL, PostGIS); Penetration testing (OWASP ZAP); Design of **IoT systems**, IoT gateway programming (C++).

Information and communication | [www.sis-ter.com](http://www.sis-ter.com) | Imola, Italy

## EDUCATION AND TRAINING

**09/2020 - CURRENT** - Bologna, Italy

### Master's degree in Artificial Intelligence

Alma Mater Studiorum - Università di Bologna

EQF level 7 | ECTS | 120 | [www.unibo.it](http://www.unibo.it)

**09/2014 - 03/2019** - Bologna, Italy

### Bachelor Degree in Computer Engineering

Alma Mater Studiorum - Università di Bologna

- **Imperative programming** (C), **OO**P (Java e C#), parallel programming, **data base** (relational algebra, SQL); Phases and models of development, modelling languages (UML), software quality factors, **design principles, design patterns**.
- ISO-OSI and TCP/IP models; Fourier series and transform, sampling, modulations; Ethernet, WiFi, hub and switch; IP, NAT; UDP, TCP, Sockets, RMI and RPC (in C and Java); Web: HTTP, **HTML, JS, CSS, XML**, DOM and SAX parser; **JSON, AJAX; Servlet and JSP; database access, DAO, ORM** (Entity Beans, Hibernate); multi-tier and component-container architectures; inversion of control.
- Users and groups in Unix; Bash, RegExp, SSH; task scheduling, logging, cryptography; SNMP; LDAP; network interface and routing configuration, traffic filtering, high availability, backup, clustering.
- Analysis and control of linear dynamic systems; PID controllers; Design of combinational/sequential circuits; CISC/RISC architectures.

95/110 (ECTS: C) | EQF level 6 | ECTS | 180 | [www.unibo.it](http://www.unibo.it)

**09/2009 - 07/2014** - Imola, Italy

### Secondary School Diploma in Electronic Engineering

ITIS "Francesco Alberghetti"

**Design of electronic circuits** capable of collecting data, elaborating and driving actuators; Usage of **CAD software** (Eagle) to **design PCB / SMD boards**; **C++** programming; Prototyping with micro-controller boards (**Arduino**).

EQF level 4 | [www.alberghetti.it](http://www.alberghetti.it)

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Italian

### English

Listening  
**C1**

Reading  
**C1**

Spoken  
production  
**B2**

Spoken  
interaction  
**B2**

Writing  
**B2**

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## DRIVING LICENCE

📍 Driving Licence: **B**

## DIGITAL SKILLS

### Languages and frameworks

XML / JSON / Kendo / LaTeX / TensorFlow / jQuery / PHP / C++ / CSS  
/ Javascript / Python / HTML / JQuery / C / Java / SQL

### Software engineering

Design Patterns / Versioning / UML / Web Development / Continuous  
Integration / Git / Software Analyst / Unit Testing / Application Release  
Automation / Object-Oriented Programming / Continuous Delivery / Penetration  
Testing

### Platforms and APIs

PostGIS / GitLab / Apache HTTPD / Windows / GitHub / Android / Linux /  
PostgreSQL / Gitlab CI / Amazon Web Services / Sigfox / Mapbox / Google  
Maps API / Relational databases

### Software and IDEs

OWASP ZAP / Eclipse / Microsoft Excel / Android Studio / Microsoft Word / Vi  
sual Studio Code / QGIS / SSH / Nmap / VNC

## NETWORKS AND MEMBERSHIPS

### 10/2017 - CURRENT

#### ● Croce Rossa Italiana

Imola

During 2019 as youth delegate I coordinated awareness and education campaigns on topics like recycling, climate change, prevention of non-communicable diseases and sexually transmitted diseases. This experience allowed me to improve soft skills such as problem solving, leadership and team building.

### 08/2016 - CURRENT

#### ● OpenStreetMap

Mapper, OSM Foundation member, Humanitarian OSM Team contributor

<https://www.openstreetmap.org/user/Danysan95>