

# DANIELE FABIANO

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## EDUCATION

### Master Degree - Starting grade: 106 | Software Engineering & IT Management

Supervisor: Dario Di Nucci - Thesis: Performance Testing Regression Optimization

- Main focus on Software Maintenance, Evolution, Quality, Management aspects
- Gained fundamental knowledge on Information Security, Artificial Intelligence

Oct. 2023 – Ongoing  
University of Salerno

### Bachelor Degree - Final grade: 103 | Computer Science

Supervisor: Carmine Gravino - Thesis: Bloated Dependencies Detection in Python

- Main focus on Programming, Algorithms and Data Structures, Databases aspects
- Gained fundamental knowledge on Computer Architecture, Computer Networking

Sept. 2020 – Sept. 2023  
University of Salerno

## LANGUAGE SKILLS

**Mother tongue:** Italian

**Second language:** English - B2 Level Certified by CLA UNISA

## TECHNICAL SKILLS

**Programming Languages:** Java (SE, EE, Android SDK), Python (Django, Flask), C, Javascript (JQuery)

**Database Management Systems:** SQL & MySQL Workbench, Firebase, MongoDB & Compass

**Integrated Development Environment:** Jetbrains IDEs, Eclipse, Netbeans

**Markup and Style Languages:** HTML, CSS (Bootstrap), XML, Markdown, Latex (Overleaf)

**Operating Systems:** Linux (Arch, Debian), Android, Windows

**Software Testing:** Junit, JaCoCo, JMH, Espresso, Pytest, SeleniumIDE

**Build Systems:** Maven, Gradle

**Software Engineering:** UML Diagrams, Requirements Measurement, System Design, Test Plan

**Project Management:** Trello, GanntProject, Google Workspace, Slack, Draw.io

## PROJECTS

### WasteGone | Project Management (Trello, GanntProject, Google Workspace)

A simulation of a management activity for a development of a waste sorting mobile app

Winter 2025  
Project Page

- Coordinated the assignment of tasks for a group of 7 bachelor students
- Decomposed all the project phases with a Work Breakdown Structure
- Analyzed the possible project risks and their impact through a risk register

### Data Smell Detection + | Maintenance and Evolution (Django, Pandas)

A simulation of a maintenance activity for a tool that finds data smells on a .csv dataset

Summer 2024  
Project Page

- Conducted an Impact Analysis on the identified change requests
- Redocumented the needed parts of the system for the maintenance
- Defined test cases for the new features and executed regression testing

### Commons-net Dependability | Quality Assurance (Java SE, OWASP Tools)

A dependability report for an open source library of Apache Commons project

Winter 2024  
Project Page

- Fixed some of the bugs and code smells detected by the Sonarcloud analysis
- Generated some new test cases to try to improve the computed test coverage
- Executed a vulnerability scan with FindSecBugs and Dependency-Check tools

### SmartGym | Greenfield Engineering (Java Android SDK, Espresso)

An Android prototypal mobile app where you can choose some body weight exercises

Winter 2023  
Project Page

- Analyzed the main app requirements with UML Diagrams and Use Cases definition
- Designed the High and Low Level parts of the system, including also a testing phase
- Realized a Genetic Algorithm that suggests exercise sheet given the athlete features

I authorize the processing of personal data present in the CV according to the General data protection regulation 679/2016.

Capaccio-Paestum, 2025-10-10