DANIELE FABIANO

Home address: Via Luigi Einaudi 7, Capaccio-Paestum (SA)
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EDUCATION

Master Degree - Starting grade: 106 | *Software Engineering & IT Management* — Oct. 2023 – Ongoing / University of Salerno
Supervisor: Dario Di Nucci - Thesis: Perfomance Testing Regression Optimization
- Main focus on Software Maintenance, Evolution, Quality, Management aspects
- Gained foundamental knowledge on Information Security, Artificial Intelligence

Bachelor Degree - Final grade: 103 | *Computer Science* — Sept. 2020 – Sept. 2023 / University of Salerno
Supervisor: Carmine Gravino - Thesis: Bloated Dependencies Detection in Python
- Main focus on Programming, Algorithms and Data Structures, Databases aspects
- Gained foundamental knowledge on Computer Architecture, Computer Networking

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 Enivroment: Jetbrains IDEs, Eclipse, Netbeans
Markup and Style Languages: HTML, CSS (Bootstrap), XML, Markdown, Latex (Overleaf)
Operating Systems: Linux (Arch, Debian), Android, Windows
Build Automation Systems: Maven, Gradle
Software Testing: Junit, JaCoCo, JMH, Espresso, Pytest, SeleniumIDE
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)** — Project Page
A simulation of a management activity for a development of a waste sorting mobile app
- 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)** — Project Page
A simulation of a maintenance activity for a tool that finds data smells on a .csv dataset
- 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)** — Project Page
A dependability report for an open source library of Apache Commons project
- 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, JUnit)** — Project Page
An Android prototypal mobile app where you can choose some body weight exercises
- Analyzed the main app requirements with UML Diagrams and Use Cases definement
- 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

OTHER INFO

Soft Skills: Active Listener, Critical Thinking, Spirit of Initiative, Friendly Speaking
Driving Licence: B Level Italian Driving Licence (but I am not yet a car owner)
Interests: Basketball, Motrsports, Videogames, Anime&Manga, Kpop&Kdrama

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

Capaccio-Paestum, 2025-10-11