

Giuseppe Testa

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EDUCATION

University of Naples Federico II

Bachelor's Degree in Computer Science

Naples, Italy

2022 – 2025

EXPERIENCE

IT Assistant

2023 – 2024

DFT Architecture Studio

- Provided technical support on Linux and Windows environments, troubleshooting system and network issues in LAN infrastructures including routers and DNS configurations
- Delivered remote assistance using AnyDesk for real-time diagnostics and issue resolution
- Designed and implemented a PostgreSQL database using ORM integration to manage internal project and client data through a locally hosted Vue.js web application
- Automated daily backup workflows using Bash and Python scripts, ensuring reliable data persistence to a local server infrastructure
- Produced and maintained internal technical documentation, improving system organization and operational consistency
- Supported infrastructure for 5 devices/users, reducing resource sharing latency and improving operational efficiency

University Private Tutor

2024 – 2026

Freelance

- Delivered in-depth tutoring sessions in Calculus, Linear Algebra, and programming fundamentals (C, C++, Python, Java)
- Provided debugging support and problem-solving guidance
- Simplified complex concepts adapting explanations to different skill levels
- Independently managed lesson planning and created customized teaching materials

Seasonal Jobs (Waiter, Barista, Lifeguard)

2021 – 2024

Various

- Managed customer interactions in high-pressure environments
- Demonstrated strong communication, initiative, and teamwork skills

PROJECTS

OphrysLens | *Next.js, Flask, PyTorch, Docker*

- Designed and developed a full-stack web platform for interactive botanical image classification
- Integrated computer vision models for object detection and image classification via backend APIs
- Implemented real-time user feedback loop with smart image cropping and correction system

FisioAbadia | *Vue, Supabase (Auth, PostgreSQL), Full-stack Web App*

- Developed a full-stack web application for physiotherapy clinic management using Supabase backend services
- Implemented authentication, user management, and appointment booking system with automated confirmations and reminders
- Built a fully responsive interface optimized for desktop and mobile usage

BrewMate | *Vue, PWA, Python, Data Engineering, Geospatial Analytics*

- Developed a Progressive Web App for the craft beer market using large-scale crowdsourced datasets
- Processed and analyzed 1.5M+ beer reviews and 100K+ craft beer entries worldwide
- Built ETL pipelines for data cleaning, normalization, and structured storage of heterogeneous datasets
- Implemented geospatial analytics to generate localized insights on pricing and availability

Keys to Predict Divorce | *Python, Data Analysis, Machine Learning*

- Performed data cleaning and exploratory analysis on survey-based behavioral datasets (Gottman questionnaire)

- Identified key patterns and correlations through statistical analysis and feature exploration
- Built a predictive model to estimate divorce likelihood using machine learning techniques

Big Five Personality Analysis | *Python, Data Analysis*

- Analyzed large-scale personality survey data based on the Big Five model
- Performed data cleaning, exploratory data analysis, and statistical profiling of traits
- Applied clustering techniques to identify behavioral patterns across demographic groups

Unity Game Development | *C#, Unity*

- Self-taught game development using Unity with no formal courses, driven by personal interest in programming
- Developed multiple 2D and 3D prototypes focusing on gameplay mechanics, physics, and event systems
- Implemented core game logic and interactive systems from scratch in C#

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript

Frontend: HTML, CSS, Tailwind, React (basic)

Backend: Node.js, Express.js (basic), TypeScript

Databases: PostgreSQL, Prisma ORM

Tools: Git, GitHub, Docker, Vercel, Supabase

Other: Data Visualization, Responsive Web Design, Linux/Windows

LANGUAGES

Italian: Native

English: B2

Spanish: C1

Catalan: B1

CERTIFICATIONS

Google Data Analytics Professional Certificate

AWS Certified Solutions Architect (In Progress)