



Daniele Grimaldi

B.Sc. in Computer Science

Focus on Computer Vision & AI

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Objectives

Target Role: Junior Computer Vision Engineer / ML Developer.

Industry: Industrial Automation and Quality Control.

Approach: Strong interest in model creation and Feature Engineering for high-performance AI applications.

Technical Skills

Python C++ / C#
MATLAB React (TSX)
Docker Linux (Bash)
Prompt Engineering
Pandas / NumPy

Soft Skills

- Teamwork & Technical leadership
- Analytical Problem Solving
- Continuous Learning

Passions

Hardware Repair, Strategy Games, Football & Beach Volley, LEGO, Finance.

Work Experience & Research

R&D Researcher - Computer Vision (Internship) [University of Milano-Bicocca \(3 months\)](#)

Independent research and development, supervised by Prof. R. Schettini and Dr. C. Rota.

Thesis: "Adaptive methods for image contrast enhancement".

Developed a C++ framework (CLAHE-SM) for real-time video contrast optimization.

IT Consultant & Developer (Internship) [Briq S.r.l. - Mariano Comense \(1 month\)](#)

Web Development: Support in creating and maintaining management websites.

Computer Vision: Shadowing and observation of a corporate project for automated temperature monitoring using infrared cameras.

Private STEM Tutor [Freelance \(2020 - Present\)](#)

Private tutoring in Computer Science, Mathematics, and Electronics. Methodology based on practical analogies to simplify complex concepts.

Projects & Portfolio

Predictive AI for Fantasy Football (Python, Pandas, Scikit-learn)

Automated data extraction pipeline and ML model training for probabilistic performance forecasting.

Music Data Mashup (Python Flask, SPARQL, WikiData)

Full-stack web application for data integration using Spotify API and Wikidata API.

Real-Time Contrast Optimization (C++, Bayesian Optimization, Python)

Thesis Project: Advanced algorithm for adaptive video enhancement. Developed in C++ for zero-parameter execution.

Dice Recognizer (MATLAB, CV)

Algorithm for counting dice points via video using pattern recognition and noise filtering.

Education

Bachelor's Degree in Computer Science

[University of Milano-Bicocca](#)

Grade: 99/110

July 24, 2026

Key Exams: Computer Vision (30L/30), Algorithms and Data Structures (30/30), Programming 1 (29/30), Algorithm Analysis (28/30), Artificial Intelligence (28/30).

High School Diploma in IT & Telecom.

[IIS Jean Monnet - Mariano Comense](#)

Grade: 87/100

2018 - 2023