

ANDREA RIZZI

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Personal Details:

03/09/2004 | Irish / Italian / American



PROFILE

I am a Mathematics student with a strong focus on AI, Machine Learning, and Software Engineering. I have designed and built end-to-end AI pipelines, including a voice based assistant with custom made wake-word detection integration, real-time audio processing, and LLM reasoning. Experienced in Python, neural networks, data handling, and modular system design. I have a strong interest in building intelligent, real world AI systems that solve meaningful problems

ACCOMPLISHMENTS

Entrance Exhibition Award (March 2024 - Trinity College Dublin)

- Awarded to the student who achieves the highest CAO points among Trinity entrants from their secondary school

PROFESSIONAL EXPERIENCE

Software Engineer, Grinds 360

Aug 2024 — Oct 2025

Dublin

Hybrid working.

- Software development for automating and streamlining administrative workflows
- Dataset structuring, collection and pre-processing.
- Project pipeline engineering

EDUCATION

University College Dublin

Sept 2025 — May 2027

B.Sc. in Mathematics

- Majority focus on Machine Learning, Artificial Intelligence and Data Science

Trinity College Dublin

Sept 2023 — May 2025

B.A. (Mod.) in Mathematics

- First two years of Bachelor's Degree in Trinity College Dublin. Transferred to University College Dublin (UCD) in September 2025.
- Emphasis on study of Pure Mathematics

Dublin Academy of Education

Jan 2022 — Jul 2023

Leaving Certificate

- Subjects: Physics, Chemistry, Computer Science, Business, Mathematics, Italian
- Maximum grade: 625/625 points (over 90% in each exam)

TECHNICAL SKILLS

Proficient in Python
(Programming Language)

Supervised Learning
(FNN, CNN, RNN/LSTM,
Transformers)

Dataset Construction
(Collecting, Structuring and
Preprocessing Datasets)

LLM-Based System
Integration / AI agent
pipelines / LLM
orchestration

LANGUAGES

English, Italian

REFERENCES

Ronan Murdock from Grinds 360

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