

GABRIELE BETTINESCHI

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Education

Bocconi University

Mathematical and Computing Sciences for AI, BSc

GPA: 29.8/30. Coursework: Calculus I and II, Linear Algebra, Physics, Probability, C and Python, Algorithms, Economics.

in progress

Milan, Italy

Experience

Bending Spoons

Software Engineer, intern

- On a product team.

Oct 2024 – present

Milan, Italy

Flip CX

AI Engineer, intern

Automated customer calls for businesses through a conversational voice bot.

- Built and deployed in 2 weeks a retrieval augmented generation system now handling effectively ~10% of all the calls.
- Architected and prototyped a semantic graph-based intent classifier leveraging BERT and LLMs. Enabled classification of previously unclassified ambiguous utterances and drastically reduced misclassification of longer inputs.
- Extracted structured data from over 50,000 unstructured call transcripts to build a \$500k/year business case.
- Injected LLMs in the internal metrics pipeline to enhance measures and craft new ones.

Jul 2024 – Sep 2024

New York City, NY

Lead The Future

Backend Developer, volunteer

- Designed, developed and operated a Slack bot to automatise event organisation, publishing, and marketing in a community of 1,500 STEM talents around the world.

Dec 2023 – Jul 2024

Testate Podcast

Co-founder, director and speaker

- 2,700,000 views and 20,000 hours listened. Managed branding, guest sourcing, interviews, production, and distribution.
- Amongst the guests: Italy's best-known mathematician, a founder of a political party, and an MIT PhD student in ML.

Nov 2021 – Jan 2024

Student Government at Liceo Golgi

President

- Led 1,200 students and represented 52,000, delivered speeches to all of them, and navigated politics adeptly for 2 years.
- Won the election with 79% of all the available preferences. Attained a 40% cost cut revising thoroughly the budget.

Oct 2021 – Oct 2023

Academic Honours

Math Olympiad, 18th place in team, over 1300 teams, national. **2023**

Math Olympiad, Bronze Medal, over 200,000 individual students, national. **2022**

Italian Language Olympiad, Finalist, over 43,000 individual students, national. **2022**

Debate Olympiad, 2nd place in team, and tied as best individual speaker across all teams, regional. **2022**

Academic Programs (non-degree)

Mediterranean Machine Learning school, organised by Google DeepMind. **2024**

Sant'Anna School of Advanced Studies, 1-year program for 200 high-achieving first generation students. **2022**

Projects

Instagram APIs: a wrapper of the official Graph API | [link](#)

Developed a lightweight JavaScript wrapper to easily perform actions on Instagram using the intricate official Graph API.

Mar 2024

Three-body problem: simulation and plotting | [link](#)

Visualizing 2D trajectories of n bodies, each influenced by others' gravitational force, under customisable hyperparameters.

Mar 2024

Political awareness in Gen Z: an analysis

Collected 500+ responses across 60 questions, considered 400+ pairwise correlations, and graphed relevant insights.

Jan 2022

Extracurricular

Rowing

Gold and Silver at the Italian Championships. Varsity crew Captain on a mission to rebuild a team from scratch.

2012 – present

Scouting

12 years of team-working, community life, problem solving, extreme make-doing and service.

2012 – 2023