


GABRIELE BETTINESCHI

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Education

Bocconi University

in progress

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.

M2L by Google DeepMind

2024

Machine Learning Summer School

Selected as one out of 9 undergrads for PhD-level lectures and hands-on workshops with leading researchers.

Sant'Anna School of Advanced Studies

2022

'MeMo' program for 200 selected high-achieving first-generation students. 1-year, non-degree

Experience

Bending Spoons

Oct 2024 – present

Software Engineer, intern

Milan, Italy

Flip CX

Jul 2024 – Sep 2024

AI Engineer, intern

New York City, NY

Automated customer calls for businesses via a conversational voice system.

- 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.

Lead The Future

Dec 2023 – Jul 2024

Backend Developer, volunteer

Automated organisation and marketing of STEM events around the world.

- Developed in Next.js and deployed serverless on Vercel custom API endpoints to autonomously generate promotional graphics, publish events on Eventbrite, advertise on Instagram and LinkedIn, and post on Slack via respective APIs.
- Designed, released and operated in a 1,500-members Slack workspace a bot interacting with those custom endpoints.

Testate Podcast

Nov 2021 – Jan 2024

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.

Student Government at Liceo Golgi

Oct 2021 – Oct 2023

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.

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

Projects

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

Mar 2024

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

Political awareness in Gen Z: an analysis

Jan 2022

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

Extracurricular

Rowing

2012 – present

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

Scouting

2012 – 2023

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