Gabriele Bettineschi

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Education

Bocconi University   **in progress**
Mathematical and Computing Sciences for AI, BSc   *Milan, Italy*
GPA: 29.8/30. Coursework: Calculus I and II, Linear Algebra, Physics, Probability, C and Python, Algorithms, Economics.

Experience

Bending Spoons | link   **Oct 2024 – present**
Software Engineer   *Milan, Italy*
- On a product team.

Flip CX | link   **Jul 2024 – Sep 2024**
AI Engineer   *New York City, NY*
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.

Lead The Future | link   **Dec 2023 – Jul 2024**
Backend Developer
- Designed, developed and operated a Slack bot to automatise event organisation, publishing, and marketing in a community of 1,500 STEM talents arounf the world.

Testate Podcast | link   **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**

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   **Mar 2024**
Developed a lightweight JavaScript wrapper to easily perform actions on Instagram using the intricate official Graph API.

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.