

PIETRO BOLCATO

LONDON, UNITED KINGDOM | PIETROBOLCATO@GMAIL.COM | [PORTFOLIO](#) | [LINKEDIN.COM/IN/PIETROBOLCATO](#) | [GITHUB.COM/PIETROBOLCATO](#)

EXPERIENCE

SNAP INC.

Senior AI Engineer (Tech Lead)

London, United Kingdom

06/2025 - Present

- Led post-training for image-editing models powering Snapchat AR face filters and interactive camera effects, adapting diffusion models to deliver high-fidelity facial edits with strong prompt control and accurate reference-image following; used by 733M monthly users and generating billions of daily impressions
- Built a million-scale data engine for post-training: synthetically generated training pairs, VLM-based quality evaluation and filtering, dense captioning, and self-distillation; adopted as the standard framework across the organization, reducing manual review by 81% and improving usable training-data pass rate by 77%
- Owned teacher-student distillation from large generative teachers into lightweight real-time on-device students, enabling high-quality AR effects at 30 FPS on mobile devices under strict production latency and deployment constraints

KITTL

Principal AI Engineer (Tech Lead Manager)

Berlin, Germany

07/2023 - 05/2025

- Built and scaled the Generative AI platform delivering Diffusion- and LLM-based pipelines for graphic designers, serving millions of daily inferences and driving 207% user activation growth and 67% retention improvement
- Led post-training and evaluation for key Generative AI features, including editable design generation, style adapters, and multimodal pipelines, with a focus on aligning outputs with user intent and brand coherence; increased user-generated content download rates by 39%
- Hired and led an 11-person cross-functional team (PM, UX, MLEs, AI researchers, Backend engineers), owning technical direction, execution, hiring, and people development

KLING KLANG KLONG

Senior AI Engineer (Tech Lead)

Berlin, Germany

10/2020 - 07/2023

- Built a real-time text-to-song generation system (melody, lyrics, vocals) using Diffusion Models and LLMs, used in "Chasing Waterfalls", the world's first AI lyric opera with a unique singing voice generated for each live performance; toured worldwide, and led to a 136% yearly revenue growth

DoREMiR

AI Research Scientist

Stockholm, Sweden

12/2019 - 06/2020

- Developed a novel architecture for joint melody and lyrics generation, used in the first AI Eurovision Song Contest broadcast on public television

EDUCATION

DOUBLE MASTER DEGREE IN ARTIFICIAL INTELLIGENCE,

Royal Institute of Technology (Sweden), Technical University of Berlin (Germany)

2018 - 2020

- European Double Degree Excellence Program: [EIT Digital](#) – Specialization in Deep Learning and Neural Networks
- GPA: 9.8 / 10

BACHELOR DEGREE IN COMPUTER SCIENCE,

University of Trento (Italy), Polytechnic University of Bucharest (Romania)

2015 - 2018

- GPA: 9.5 / 10

CERTIFICATIONS,

[Azure Data Scientist](#), [Azure AI](#)