

Alice Delbosc

Software Engineer & AI Researcher

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Profile

With a dual background in software engineering and AI research, I am passionate about the intersection of artificial intelligence, ethics, and human well-being. I strive to design and build solutions with real-world impact that are technically robust and socially responsible.

Professional Experience

Generative AI Researcher Apr 2022 - Feb 2026

Davi, The humanizers – PhD Researcher (including prior research internship) Marseille, France

- Collection, preprocessing, and analysis of multimodal datasets (facial behavior, text, audio) from recorded human interactions.
- Design and training of multimodal generative models for nonverbal behavior generation in embodied virtual agents.
- Emphasis on evaluation protocols and gender bias analysis for generative AI systems.
- Design and conduct of human user studies, including a web-based experimental platform.
- Publications in international conferences, including best paper and reproducibility awards.
- Reviewer for international conferences and journals, including a best reviewer award.
- Co-organization of international workshops.
- Supervision of an MSc student.
- Computer Science Lecturer in databases and object-oriented programming (Polytech Engineering School).

Software Engineer Apr 2019 - Sep 2021

LGM – Apprenticeship during MSc Aix-en-Provence, France

- Developed full-stack business applications used daily by operational teams, including tools allowing non-technical users to configure and manage complex systems (e.g., NH90 helicopter configuration).
- Collaborated with end-users to gather requirements, iterate on UX and deliver features aligned with operational needs.
- Participated in sprint planning, estimation, and delivery within a small cross-functional engineering team.
- Produced technical documentation to ensure long-term maintainability and adoption.

Specialized Skills

AI & Machine Learning: generative AI, multimodal learning, audio-visual processing, bias mitigation, model evaluation, domain adaptation, transfer learning, fine-tuning, LLMs (prompting, OpenAI API, Hugging Face)

Programming: Python, Java, JavaScript, Angular

ML Frameworks & Libraries: PyTorch, scikit-learn, pandas, NumPy, Matplotlib

Compute & GPU: Slurm, CUDA, multi-GPU

Tools: GitHub, GitLab, Jupyter Notebook, Jira, Conda, LaTeX

Soft Skills

Languages: English (Fluent), French (Native)

Communication: Conference presentations, teaching experience, interdisciplinary collaboration

Collaboration: Effective work with both technical and non-technical stakeholders

Writing: Scientific writing, documentation, and research reporting

Work Style: Organized, proactive, and rigorous, with a constant desire to improve and learn

Education

PhD Student – Computer Science, Artificial Intelligence Jan 2023 - Feb 2026 (*Expected*)

Aix-Marseille University . Paris-Saclay University . Davi

- Thesis: "Generation of facial nonverbal behavior for Socially Interactive Agents, a convolutional generative adversarial approach"
- Collaboration between the LIS-CNRS (TALEP Team), the LISN-CNRS (CPU Team), and DAVI, The Humanizers
- Supervisors: Magalie Ochs, Nicolas Sabouret, Brian Ravenet, Stéphane Ayache

MSc – Artificial Intelligence and Machine Learning (IAAA) Sept 2021 - Sept 2022

Aix-Marseille University – Faculty of Sciences

- Specialization in cognitive sciences
- Graduated with highest honors

MSc – Computer methods applied to business management (MIAGE) Sept 2019 - Sept 2021

Aix-Marseille University – Faculty of Economics

- Specialization in data engineering
- Graduated with highest honors

Other Interests

Sports: Tennis, Pilates, and snowboarding

Science Outreach: Public engagement and outreach activities, including Women in Science Day, Jump In Tech, and Pint of Science

Community Engagement: Involvement in student organizations (Junior Enterprise, Student Union, Alumni Association) and one-to-one mentoring of teenagers from underprivileged backgrounds (AFEV)