

# Amandine Brunetto

PHD CANDIDATE · MINES PARIS

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## Professional Experience

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### AI Research scientist

*Mines Paris*

NOV. 2022–PRESENT

Research scientist in the Machine Learning and Perception team of the Center for Robotics (CAOR). Focus on multi-modal learning, audio, computer vision and neural rendering.

### Computer Vision Engineer

*Mines Paris*

MAY. 2022–SEPT. 2022

3D scene reconstruction from audio-visual data using deep learning techniques.

### Research intern

*Mines Paris*

MAY. 2021–JULY. 2021

Deep Learning for traffic situation detection based on traffic videos.

### Junior Consultant

*CEA*

OCT. 2021–APR. 2022

*Saclay*

Consulting mission in knowledge management about the James Webb Space Telescope.

### Junior Consultant

*OPCO EP*

OCT. 2021–APR. 2022

*Paris*

Consulting mission in innovative design based on C-K theory. Topic: "How will young people want to learn tomorrow?"

## Education

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### PhD in Computer Science

*Mines Paris - PSL University*

2022–PRESENT

*Paris, France*

Sound exploitation for 3D scene reconstruction and understanding. Under the direction of Fabien Moutarde (Mines Paris, CAOR) and the supervision of Sascha Hornauer (Mines Paris, CAOR).

### M.Sc Technology and Innovation Management

*Paris Dauphine - PSL University*

2021–2022

*Paris, France*

M.Sc with courses at Paris Dauphine, Mines Paris and INSTN (CEA). Graduated first of the class and with the highest honors.

### M.Sc Engineering

*ENSEA*

2019–2022

*Cergy, France*

Specialization in Signal Processing and Computer Science.

### Preparatory classes

*Lycée Massena*

2017–2019

*Nice, France*

With a focus on physics.

Classes Préparatoires aux Grandes Ecoles (CPGE) are preparation courses for the nationwide competitive examinations to the elite French institutes of higher education. It offers high quality teaching in exact and experimental sciences.

## Publications

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**Published Paper**    **A. Brunetto**, S. Hornauer, S. Yu, F. Moutarde. *The Audio-Visual BatVision Dataset for Research on Sight and Sound*, IROS 2023