

CAMILLA ANDREOZZI

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EDUCATION

ETH Zürich

MSc in Statistics

Elected representative for 100+ MSc Statistics students

University of Glasgow

BSc (Hons) in Statistics, First Class

Best Graduate, School of Computing Science, Mathematics & Statistics

University of Bologna

BSc in Statistical Sciences, 110/110 cum laude

Double-degree program with Glasgow; Top 1%

Zürich, Switzerland

Sep. 2025 – Jan. 2028

Glasgow, UK

Sep. 2022 – Jul. 2025

Bologna, Italy

Sep. 2022 – Jul. 2025

EXPERIENCE

World Radiation Center

Research Intern

Davos, Switzerland

Sep 2026 – present

- Developing a novel spatiotemporal gap-filling model for outgoing longwave radiation (OLR), integrating 5 years of CLARA satellite observations with ERA5 reanalysis data across spatial grid cells to reconstruct missing climate measurements.
- Evaluating reconstruction accuracy on held-out observations, achieving 4 W/m² RMSE and 63% improvement over baseline to support more reliable estimation of Earth's radiation budget.

United Nations Office for Disaster Risk Reduction (UNDRR)

AI Engineering Intern

Bangkok, Thailand

Feb. 2026 – Aug. 2026

- Adapted Google Research's Groundsource pipeline into a multi-hazard LLM extraction system using Azure AI, processing 10,000 UNDRR documents into 3,572 structured disaster-event records across 24 hazard types.
- Designed a human-annotated evaluation framework, achieving 95.1% event-detection F1 and 86.0% attribute-extraction F1; preparing the pipeline for transfer to UN member states.

ETH Zürich

Student Researcher

Zürich, Switzerland

May 2026 – Sep 2026

- Developed multi-fidelity Gaussian-process surrogates for exoplanet atmospheric retrieval, combining 10,000 low-fidelity and 97 high-fidelity simulations across 195 spectral wavelengths; achieved 0.435 normalized RMSE and 86.9 ppm MAE in high-fidelity cross-validation, an improvement of 17% over baseline models.

Public Health Scotland (NHS Scotland)

Data Science Consultant

Edinburgh, UK

Feb. 2025 – Sep. 2025

- Analyzed 1M+ patient records across 11 hospitals, applying queueing theory and ML optimization to identify bottlenecks in emergency healthcare access. Developed resource-allocation models achieving a 27.21% reduction in Edinburgh patient demand burden in the evaluated scenario.

University of Glasgow

Undergraduate Student Researcher

Glasgow, UK

Jan 2025 – Jul 2025

- Co-developed a robust multi-fidelity Gaussian-process model integrating 14,344 air-pollution observations from 30 monitoring stations, reducing mean cross-validated prediction error by 69% relative to classical multi-fidelity GP.

PUBLICATIONS

[1] C. Andreozzi, P. Nguyen-Le, Z. Jin and R. Mani (2026). "From UNDRR Reports to Event Records: Schema-Constrained LLM Extraction of Georeferenced Disasters." doi.org/10.48550/arXiv.2609.23853.

[2] C. Andreozzi, P. Colombo, and P. Otto (2025). "A Simple and Robust Multi-Fidelity Data Fusion Method for Effective Modelling of Citizen-Science Air Pollution Data." Submitted to *Annals of Applied Statistics*. doi:10.48550/arXiv.2511.15942.

AWARDS & RECOGNITION

BainHorizon mentee — selected for Bain & Company mentorship program

Lead The Future — mentee for non-profit organization for excellent Italian students in STEM ($\leq 20\%$ acceptance).

Royal Statistical Society Prize — awarded as Best Statistics graduate of the University of Glasgow.

Ede & Ravenscroft Prize — most distinguished graduate of the School of CS, Maths & Statistics, Glasgow (top 0.25%).

Winner, Operational Research Challenge, Uni of Edinburgh (2025) — best project and pitch among 200 competitors.

Finalist, National Ancient Greek Olympiads (2022) — Top 30, selected from 5,000+ submissions (top 0.6%)

TECHNICAL SKILLS

Programming: Python (pandas, PyTorch, sklearn), R, SQL, MATLAB, L^AT_EX

Languages: Italian (native), English (C2), Spanish (B1), German (A2)