



Student Research Internship 2025

AI for good and migration dynamics: data-driven models to improve humanitarian response and policy planning across the Channel

The use of new technologies in migration fields is rising, with automated decision-making systems increasingly influencing policy. While such systems can expedite decision-making, improving efficiency for government agencies, they also introduce risks. If not correctly culturally informed, AI-driven migration policies may create new vulnerabilities, reinforcing biases and discrimination rather than mitigating them.

This project, *AI for Good and Migration Dynamics*, aims to develop models to improve humanitarian response and policy planning related to migration across the Channel, between France and the UK. The objective of this project is to develop an AI-powered policy planning framework for migration that incorporates data at different levels of granularity. This involves 1) selecting appropriate frameworks from migration studies—including demographic, economic, cultural, and political factors—2) integrating them with low-granularity data such as border control and immigration records, 3) developing a curation mechanism that automatically integrates data of varying granularity into AI algorithmic capabilities. This interdisciplinary approach is crucial for civil society organisations, particularly policymakers, NGOs, and humanitarian organisations: it aims to bridge cutting-edge AI research with the reality of migration and the operational needs of governmental organisations. By doing so, the project aims to create a framework that is not only technologically robust but also ethically, socially, and culturally responsible, supporting informed decision-making.

As part of this internship, we are seeking students with expertise in machine learning, and a strong interest in migration studies.

Tasks/Activities to be completed:

This project will deliver a validated AI-powered framework for analysing migration dynamics across the Channel. Key outcomes include data-driven insights to support policymakers and humanitarian organisations, a technical report with policy recommendations, and an ethically sound model for predicting migration trends.

Duration: 48 days, starting from 1 May 2025 (or soon after) to 31 July 2025. A flexible work plan will be co-developed based on your availability and the project needs. This is a paid position, at the London living wage level.

Mentoring and support: You will work closely with [Dr François Sicard](#) (UASc) and [Prof Benjamin Guedj](#) (UCL Computer Science).

Application: To apply please submit your CV and cover letter (350 words max) explaining your qualifications and interest in the research internship to b.guedj@ucl.ac.uk and copy in f.sicard@ucl.ac.uk

Location: You will conduct all project activities in person (possibly at the AI Centre, 90 High Holborn) and online.

Application deadline: 24th April 2025 ; **Interview date:** w/c 28th April 2025