



Justin Xu

Graduate, Medicine, Radiology

Bio

BIO

Justin is currently studying for a PhD in Biomedical Data Science at the University of Oxford. His research aims to leverage artificial intelligence (AI) and machine learning (ML) to decipher clinical data and enhance healthcare. Specifically, his current doctoral work focuses on developing, deploying, and evaluating AI/ML tools to help hospitals manage patient demand. Justin is co-advised by Professor David W. Eyre, Professor A. Sarah Walker, and Professor David A. Clifton.

In January 2024, Justin began his visit to Stanford University as a Canadian Fulbrighter. He joined the Centre for Artificial Intelligence in Medicine & Imaging (AIMI) to develop multimodal generative AI in radiology under Dr. Curtis P. Langlotz.

Prior to beginning his doctoral studies, Justin worked with Dr. Alistair E. W. Johnson at the Hospital for Sick Children in Canada. During this time, he worked with the MIMIC-IV dataset and deployed a clinical terminology annotation dashboard to support multi-site analyses of electronic health records with natural language processing. Additionally, he contributed to the task querying features of "EventStreamGPT", a pre-processing and modelling library designed for generative pre-trained transformers and medical record time series. Justin was trained as a biomedical engineer and holds a BAsC in Engineering Science from the University of Toronto.