



Charlie Ma 馬千里

My journey blends medicine, rehabilitation sciences, and biomedical engineering, driven by a passion for bridging clinical needs with technological advancements. After earning my medical degree from Peking University and honing my skills in general surgery, I pursued a Master's in Rehabilitation Sciences at the University of Illinois at Chicago. There, I merged engineering with healthcare by creating a customized insole for stroke recovery, exemplifying my interdisciplinary expertise.

My work as a medical interpreter in Chicago highlighted the critical role of effective communication in healthcare, inspiring me to contribute to Taiwan's healthcare policies. Collaborating with the Ministry of Health and Welfare and National Yang-Ming University, I helped shape assistive technology strategies, further establishing my role as a bridge between diverse knowledge realms.

Innovation led me to co-found the eXoSupport startup, focusing on fracture external fixation alternatives. Later, at National Cheng Kung University, I conducted groundbreaking research under the Department of Biomedical Engineering, developing devices for upper extremity movement assessment, demonstrating my ability to transform clinical insights into practical solutions.

As a global faculty member of Stanford Biodesign, I trained at Stanford University while working as an assistant research fellow at NCKU. This experience refined my skills in biomedical innovation, empowering me to develop translational courses that bridge the gap between lab research and real-world applications.