



Call for PhD Programs at Cornell and VinUniversity



The College of Engineering & Computer Science and the Computer Vision & Medical AI Lab at VinUniversity, in partnership with the Health Design Innovations Lab in the Department of Design & Environmental Analysis at Cornell University, are offering two (02) PhD positions focusing on human-centered healthcare design for low-cost, smart health applications for common disease screening in low- and middle-income countries. The aim of this project is to develop state-of-the-art digital tools (AI, Machine Learning, Computer Vision, and NLP) to improve quality of life and symptom management for individuals experiencing chronic pain. These translational solutions will combine expertise in design, engineering, psychology, business, and medicine, in partnership with communities, to improve patient outcomes. Selected candidates will work towards their PhD degrees, which will be granted by either VinUniversity or Cornell University. They will be co-advised by faculty from both universities, including Associate Prof. [Rana Sagha Zadeh](#) (Cornell) and Dr. [Hieu Pham](#) (VinUniversity). PhD students are expected to publish a sufficient number of papers in top peer-reviewed journals and conferences, meeting the standards of world-class universities. Candidates will be interviewed to cover for all tuition fees, living expenses, health insurance, round-trip airfare, and related expenses through the [Vingroup Scholarship Program for Overseas Study for Master's and Doctoral](#).

Qualifications

- This project is open to Vietnamese students with a Bachelor's or Master's degree in a relevant field (e.g., computer science, electrical engineering, or a related discipline). Ideal candidates will have a strong academic record, with GPA of 3.5 or higher. VinUniversity students are highly encouraged to apply.
- Applicants must meet admission requirements by [Cornell Systems Ph.D. Admission](#). Visit the [Cornell University Graduate School](#) for admissions requirements, the online application, and more information about graduate study at Cornell University.

Application process

Please send your cover letter, CV, highlight most important publications, and name of references to both Prof. [Rana Sagha Zadeh](#) (rzadeh@cornell.edu) and Dr. [Hieu Pham](#) (hieu.ph@vinuni.edu.vn); Qualified candidates will be contacted for an interview.

Deadline: January 15, 2025.

Cornell University's Health Design Innovations Lab (<https://www.hdil.human.cornell.edu/>)

The Computer Vision and Medical AI Lab at VinUniversity (CVMAIL) (<https://cvlab.vinuni.edu.vn/>)