



VinUni-Illinois Smart Health Center Call for Applications for Research Assistants

Open date: 01/10/2021 - Closing date: 01/11/2021

Position Summary

VinUni-Illinois Smart Health Center (VishC) is a joint center between VinUniversity (vinuni.edu.vn) and the College of Engineering, University of Illinois at Urbana-Champaign (grainger.illinois.edu) to conduct research on novel sensing and informatics to provide widely accessible health monitoring, screening, and diagnostics for people all over the world. We are looking for 10 motivated Research Assistants (RAs) to work on research projects in Data Science, Machine Learning, Artificial Intelligence, Biomedical Sensing, Internet of Things, Security, Privacy, and their applications in smart health. This RA position is responsible for developing innovative solutions for large-scale, high-impact, real-world problems in modern healthcare. This RA position also aims to prepare candidates to apply for joint PhD training programs between VinUni and the University of Illinois at Urbana-Champaign (UIUC, ranked in top 5 in Computer Science, Electrical and Computer Engineering, and Mechanical Engineering in the United States), with full scholarships (scholarships.vinuni.edu.vn). The final PhD degree is granted by either VinUni or UIUC, with 2 years of studying and researching at the other university.

Responsibilities

Selected candidates will work under the guidance of Faculty and Research Fellows at VishC. These supervisors will provide detailed description of work and support throughout the project. You will:

- Conduct data collection, and perform data processing and analysis.
- Develop data-driven approaches that could offer potential solutions in smart health.
- Design and develop new methods for biomedical data acquisition.
- Write and publish papers in top-tier international conferences and journals.
- Work in a multi-disciplinary team with commitment to improve the human condition and positively impact the world.
- Develop strong applications and prepare for PhD programs at VinUni and UIUC.

Minimum Qualifications

- Bachelor or Masters degree in Computer Science or related engineering fields.
- Experience in data analysis and research methodology, including ability to conduct detailed literature search.
- Fluent in English with excellent reading and writing skills.
- Ability to communicate your research and findings to both technical and non-technical audiences.
- Solid coding skills, with programming experience in Python, C/C++.
- Experience in Machine Learning, Artificial Intelligence, Computer Vision, NLP.
- Hands-on experience with Machine Learning and Deep Learning frameworks (PyTorch/TensorFlow/Keras).

Preferred Qualifications

- Contributions to research communities, including developing open-source codes and publishing papers in Artificial Intelligence/Machine Learning/Computer Vision/NLP.
- Excellent technical writing skills with examples online.
- Experience working in biomedical and healthcare applications.

Salary

1,000 USD per month.

Location

VinUniversity, Hanoi, Vietnam (depending on the pandemic situation, RA can work remotely).

How to Apply

Please submit to shc@vinuni.edu.vn your application that contains:

- a cover letter that includes a personal statement for research and PhD study;
- a CV that includes any publications/awards and the contact details of 2 referees;
- a copy of electronic academic transcripts.

Only candidates selected for an interview will be contacted. For any further information, please contact us by the above email address.