

Funded PhD position in Robotics & Mechatronics University of Louisville

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Posted Oct. 2, 2024, set to expire Feb. 1, 2025

Job Title	Funded PhD position in Robotics & Mechatronics
Department	Mechanical Engineering https://engineering.louisville.edu/
Institution	University of Louisville Louisville, Kentucky
Date Posted	Oct. 2, 2024
Application Deadline	Open until filled
Position Start Date	Jan. 1, 2025
Job Categories	Graduate Student
Academic Field(s)	Health & Human Performance Education - General
Job Website	https://hrtlab.github.io/
Apply By Email	yash.chitalia@louisville.edu

Job Description

One fully funded PhD position in the **Healthcare Robotics and Telesurgery (HeaRT) lab** at the University of Louisville (<https://hrtlab.github.io/>), Kentucky, USA starting **January 2025**.

Qualification Type: Undergraduate/Master's degree in mechanical, electrical, biomedical engineering, computer science/engineering

Location:USA; University of Louisville in Louisville, Kentucky

Funding for:Any student meeting Qualifications: US students, International students with valid visa

Funding:Fully funded position with Graduate Teaching Assistantship (including tuition, health

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insurance, and stipend) for two years

Starting Semester: Spring 2025

***Looking for candidates with:??**

- * interest or experience with ROBOTICS and/or MECHATRONICS
- * interest or experience with coding such as MATLAB, Python/C++, LABVIEW, or ROS
- * interest or experience in CAD software such as SOLIDWORKS, AUTODESK INVENTOR/FUSION 360, AUTOCAD and electronics design software like AUTODESK EAGLE
- * strong mechanical/electrical modeling skills
- * excellent English oral and writing skills

The research will focus on healthcare and medical robotics design, mathematical modeling and control. The position will involve using rapid prototyping tools like 3D-printing, laser cutting, etc. along with embedded electronics to build and study medical robots for a variety of novel applications.

Submit by e-mail (yash.chitalia@louisville.edu) with a CV attached.

The cover letter must outline your research qualifications and how they align with the requirements of this position.

Requirements: Admission to the Mechanical Engineering department at the University of Louisville will be required.

Application details: <https://louisville.edu/graduate/futurestudents/apply-materials/application?>

Review of applications will continue until the position is filled.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Yash Chitalia
 Mechanical Engineering
 University of Louisville

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