

Research Assistant in Motorcycle Safety Research Qatar University

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Posted Sep. 26, 2024, set to expire Jan. 26, 2025

Job Title	Research Assistant in Motorcycle Safety Research
Department	Qatar Transportation and Traffic Safety Center
Institution	Qatar University Doha, , Qatar
Date Posted	Sep. 26, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Graduate Student
Academic Field(s)	Human Factors Engineering/Ergonomics Computer Engineering Computer Science Civil Engineering Transportation Engineering

Apply By Email

Job Description

Job Title: Research Assistant in Motorcycle Safety Research

Duration: 2 years

Position Overview: Qatar Transportation and Traffic Safety Center at Qatar University is seeking a research assistant to join a project funded by the Qatar National Research Fund (QNRF). The project, "Towards Safer Riding: Modeling Motorcyclists' Behavior and Risk Perception using a Dynamic Simulator for Innovative Safety Interventions," aims to develop and test safety interventions to improve motorcyclists' behavior and reduce crash risks.

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Key Responsibilities:

- Conduct research using a dynamic base motorcycle simulator to study motorcyclists' behavior and risk perception.
- Develop and evaluate safety interventions, such as dynamic message signs (DMSs) and smart helmet warning systems.
- Analyze data from crash reports and simulations to identify factors contributing to motorcycle crashes and assess the effectiveness of safety measures.
- Collaborate with team members from Qatar University and international partners.
- Publish research findings in peer-reviewed journals and present at conferences.

Qualifications:

- Masters in Transportation Engineering, Traffic Safety, Human Factors, Psychology, Computer Science or a related field.
- Strong publication record in relevant peer-reviewed journals.
- Experience with driving or motorcycle simulators, data analysis, and statistical modeling; willingness to be trained on SCANeR software.
- Proficiency in programming and simulation software (e.g., MATLAB, SPSS, R).
- Excellent communication skills and ability to work in a team.

Application Process: Interested candidates should submit the following documents:

- A cover letter outlining their research experience and interest in the project.
- A detailed curriculum vitae (CV) including a list of publications.

Salary and benefits:

a. Housing allowance QAR 5,000.

b. Annual economy air ticket allowance to the home country as per quotation from Qatar Airways for the RA only.

c. Annual paid vacation for 35 calendar days. Permission for vacation will be given in accordance with work needs in the research project.

d. Health insurance for Research Assistance only.

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e. Up to 5% annual increment.

f. Monthly salary of QAR 7,000 to QAR 9,000.

Contact Information:

For inquiries and submission of applications, please contact: Dr. Qinaat Hussain

Lead Principal Investigator

Email: qinaat.hussain@qu.edu.qa

Qatar Transportation and Traffic Safety Center

Qatar University, Doha, Qatar

Contact Information

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

Contact

Qatar Transportation and Traffic Safety Center

Qatar University

Doha

Qatar