

Project Title

Project Description: Road Traffic Simulation: Design and Implementation

Duties/Activities: Help with design and implementation of a parallel and distributed version of a road traffic simulator. Traffic simulations on how the World Cup 2022 will impact road traffic condition will be carried out using the simulator. The project is part of a machine learning project on using reinforcement learning for traffic signal optimization

Required Skills: Mature programmer. Languages: Python. Knowledge of C/C++ preferable

Preferred Intern Academic Level: 2nd year or 3rd year computer science student

Learning Opportunities: Learn how to work with real application code; algorithm design, system design. Potential of big impact to Qatar

Expected Team Size: *Two*

Mentors

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