Self-driving RC car
RCSnail - Interactive Racing

What
Using AI to drive the real RC (Remote Control) car on a real race track. Low latency video feed and other sensors/telemetry data from RC car is used as input to AI and action is passed back to drive the real RC car.

Why and for whom
RCSnail provides educational and interactive first person view RC car e-sport solutions. It is a game where small RC cars with cameras are driven on race track with steering wheels and pedals via video feed on computer screens. The same input that human drivers have could be used as input for AI and the AI can use the same output to drive the car as human drivers have. This way we could let different AI algorithms to compete with each other and compete safely with human drivers.

Expected outcome
To be confirmed in cooperation with the student team.

Conditions
Any outcomes produced by the student team under and within the framework of the Software Project and any transferable intellectual property rights related thereto, incl. all the economic rights of the author and rights to protect intellectual property are transferred to RCSnail OÜ from the moment of creating them.

Contacts
Rainer Paat, RCSnail OÜ, Founder and Engineer, 5214769, rainer@rcsnail.ee
Tambet Matiisen, tambet.matiisen@ut.ee, Institute of Computer Science, PhD student