F1/10 YellowTails

Autonomous Racing For Everyone

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Project

Flagstaff's F1/10 Robo-Racing

A summer camp for HS students

System

Robotic Operating System

Moving Autonomous Race Car

Clients

At Northern Arizona Univ.

Dr. Nghiem

- Assistant Professor
- Cyber Physical Systems Researcher

Doan Nguyen

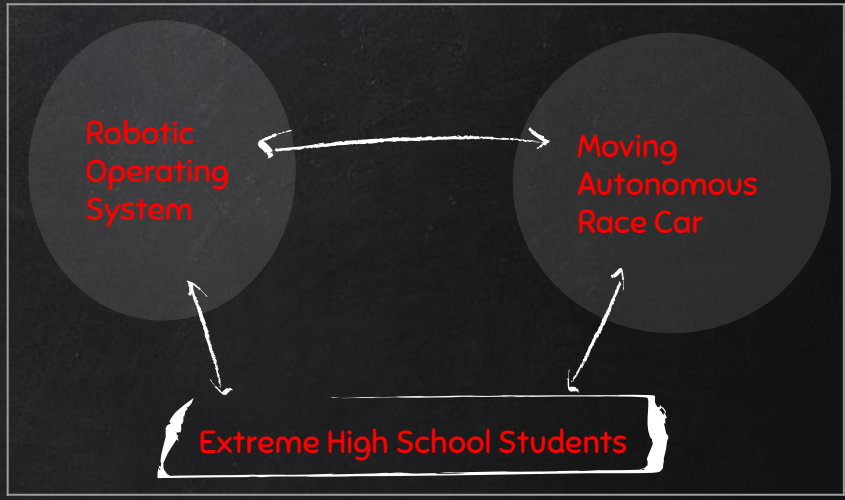
- Graduate Research Assistant

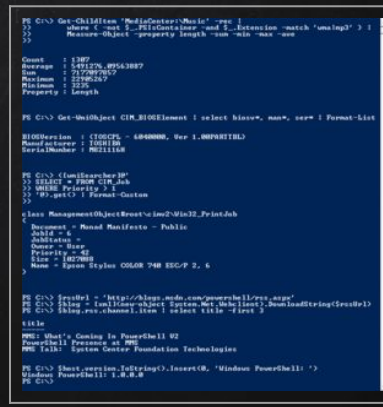
What's the Issue?

Accessibility

Universal Configuration

Command Line Interface





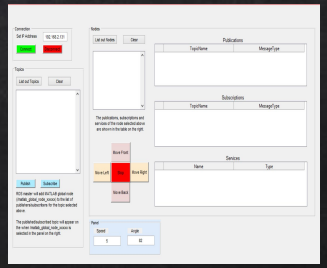
Our Envisioned Solution:

- No more command line interface
- A Scalable Structured System
- Accessibility for all high school students

Moving Autonomous Race Car

- Nvidia control board installed on the vehicle

Graphical User Interface



Robotic Operating System

- A system of packages for perception, planning, and control

High school students

Thank you!

Any Questions?