

Computer-Controlled Vehicle

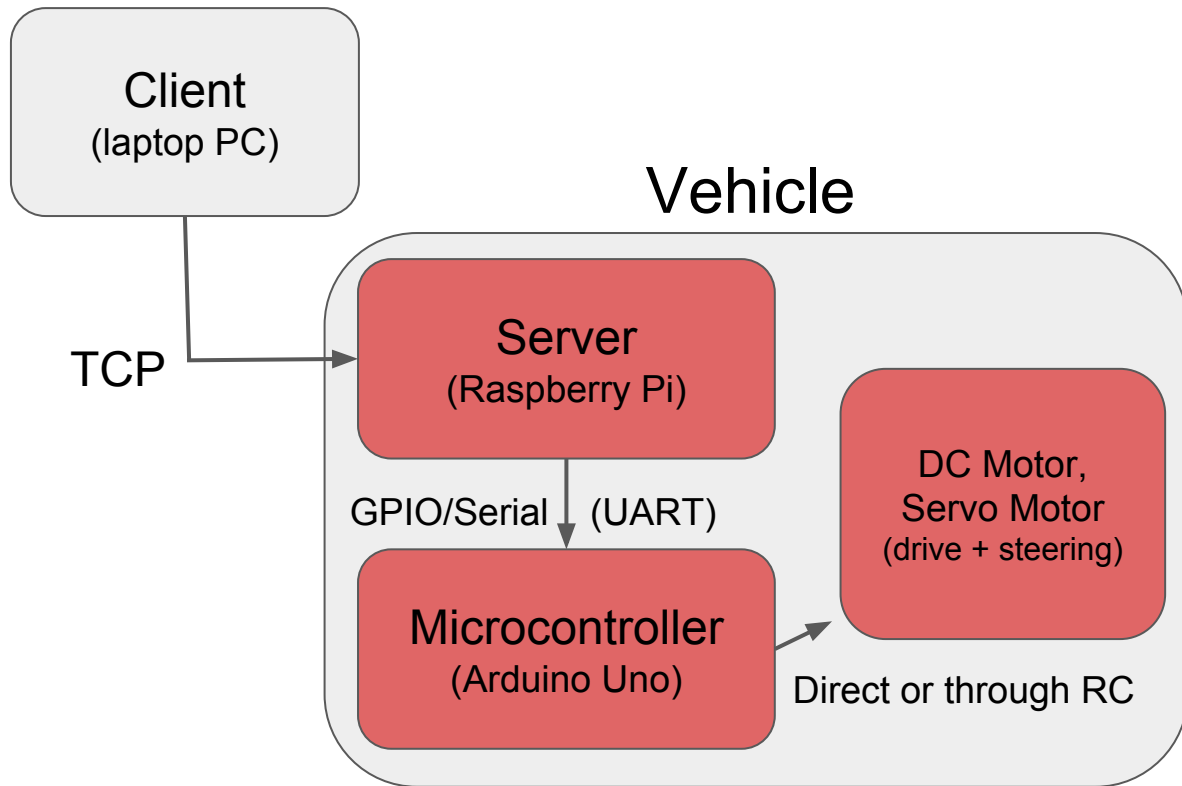
Boston University CS 410, Fall 2016
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Motivation

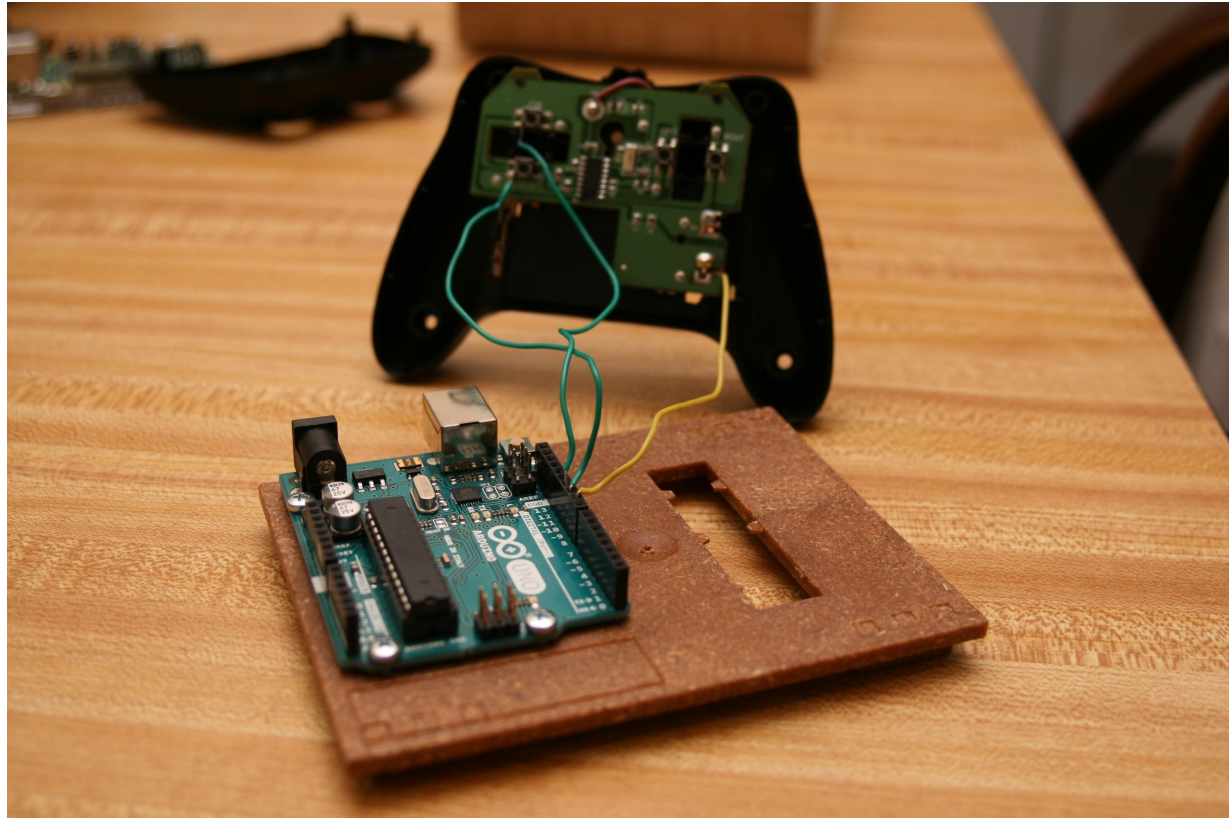
- Build a small computer-controlled vehicle suitable for various use cases
- Integrate various modern technologies into the vehicle and further understand which of these is appropriate for real-time / remote control of a vehicle

Approach

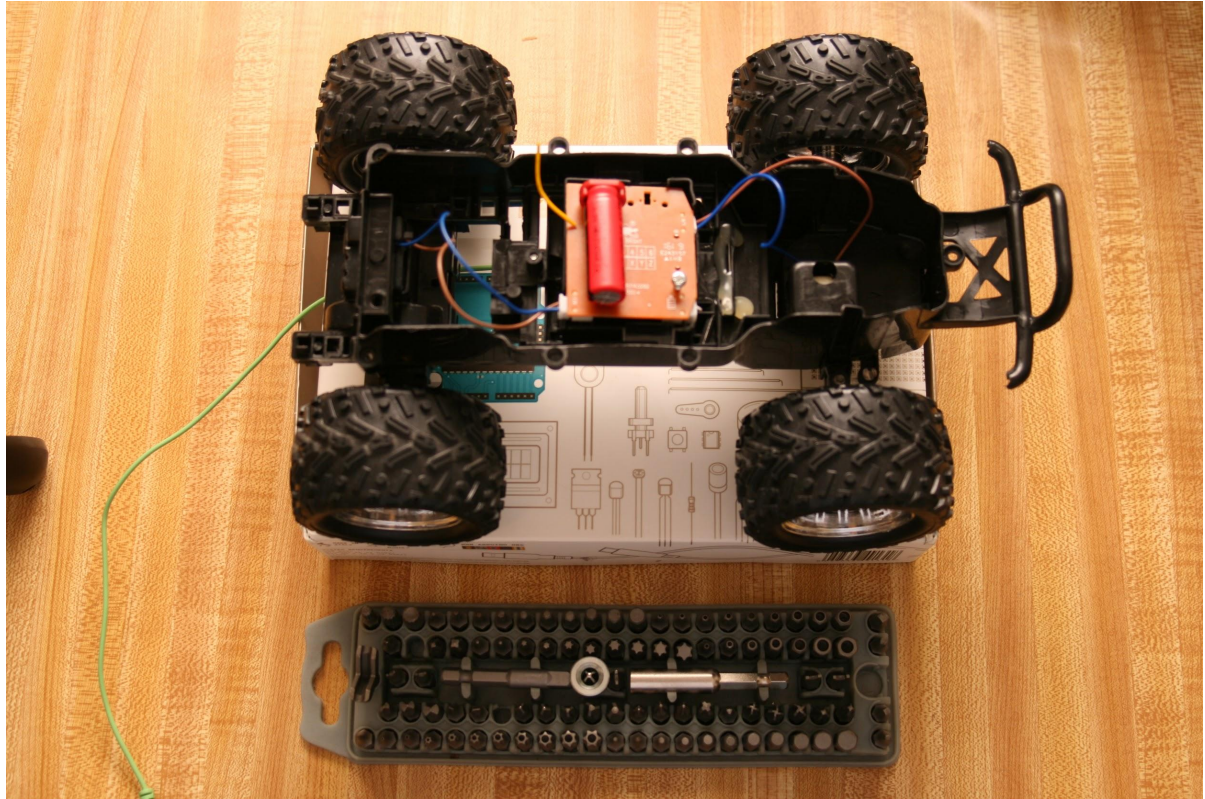
- **Client-server model**
- **Raspberry Pi as TCP webserver**
- **Arduino Uno as microcontroller for DC motor and servo**



Work So Far



Work So Far



Work So Far



**If we have
time...**

- Autonomous driving mode
- Live video feed
- Desktop/Smartphone application