Voice Controlled Drone Fleet
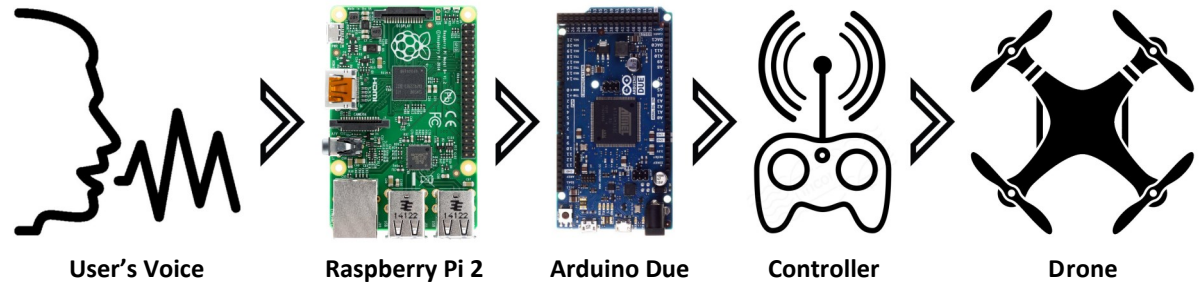
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Objective

Develop a universal method that can control multiple drones through voice recognition

User's Voice → Raspberry Pi 2 → Arduino Due → Controller → Drone

Dual Brain Approach

The Raspberry Pi 2 runs the speech to text algorithms while the Arduino Due controls the drone by overriding the joysticks on the controller

Design Features

- Hands-off feature enables simultaneous control of drones
- Various safety protocols
- Small and portable
- Internet independent dictionary
- Customizable commands
- Works with any language

Success
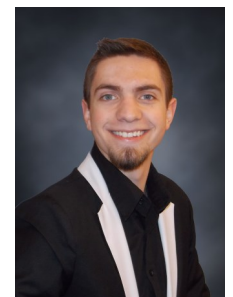
Scan QR Code for a Video Demonstration

Applications

- Recreation
- Videography
- Search & Rescue
- Relief
- Military

Conclusion

This proprietary system can be integrated with any make and model of drone on the market, creating unlimited potential

Vince Smith

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