Skip to main content

Cornell University

ECE 4760: Final Project

Quadcopter

- Introduction
- High Level Design
- Program/Hardware Design
- Results
- Conclusion

Introduction

Many embedded systems use sensors that combine an accelerometer and a gyroscope. Quadcopter is one of the examples of that. Already-built cheap toy-like quadcopters are available on e-bay around at $25~$30, but many hobbyists and avid AVR programmers build their own quadcopters. We thought building our own quadcopter would give us a good opportunity to learn about accelerometers, gyroscopes, wireless communications and motor control. Also, we could have a cool high-tech toy at the end of the project!

Team members

Joao Diogo Lisboa de Menezes Falcao
Terry Young Hwa Kim
Thu-Thao Nguyen