Open Student Research Positions

Minimum Qualification: Student at Ohio University, Russ College, and U.S. Citizen. GPA>3.5
Multiple positions available. EE, CpE, CS, related to following:

FAA Joint University Program.
- FAA sponsored research program between MIT, Princeton, and Ohio University.
- Research in communications, navigation, and surveillance systems.
- Research and integration of sensor systems, including Lidar, optical, IR/thermal.
- High resolution video/optical/Lidar/thermal target detection and digital image processing.
- UAS/UAV/drone and UGV test platform development.
- Knowledge of and interest in aviation a plus.
- Present findings at Quarterly FAA sponsored meetings at FAA, MIT, Princeton University, and Ohio University.
- Internship at FAA William E. Hughes Technical Center (WJHTC), Atlantic City, NJ possible.

USAF, Air Force Research Laboratory (AFRL).
- Research and development involving antenna array technologies.
- Development of GNSS (Global Navigation Satellite System) (GPS, Glonass, Galileo, Beidou) Receiver Configuration and Data Collection systems.
- Fabrication of specialized GNSS receiver systems to be remotely controlled, operated, and configured via the Internet to support the advancement of navigation technologies.
- Implementation of differential GNSS based systems.
- Development of advanced GUIs to display GNSS receiver performance.
- Software Defined Radio development for high-fidelity digital RF sampling and playback.
- Internship at USAF, Wright Patterson Air Force Basse, Dayton, OH:
  - Air Force Institute of Technology (AFIT), and
  - Air Force Research Laboratory (AFRL), Sensors Directorate

Interested student should send a short interest statement and resume to:
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