FLIR Unmanned Systems designs high-end, intelligent drones in Utah Valley

Internship Opportunities in Orem, Utah:

- **Drone Development Intern** – 10-20 hours per week throughout the year
  - Soldering, crimping, wire harnesses
  - CNC machining, 3D printing
  - Component and bench testing
  - Test Flying

- **Drone Software Developer Intern** – 40 hours/week – spring/summer
  - C, C++, Python
  - Build deployment/automation
  - Integration of new sensors

**Full time Opportunities in the following areas:**

- **Software Engineering**
  - Computer vision – object tracking, moving target indication, etc.
  - Deep Learning, NVIDIA GPU (CUDA)
  - C, C++, Python, Java software development
  - User interface design
  - Vision pipeline – processing, compression, recording

- **Embedded Design**
  - Systems engineering
  - Low-level MCU interfaces and communications (I2C, SPI, CANBUS, etc.)
  - Device and subsystem interface logic
  - Battery management and motor control systems

- **Drone Avionics and Control**
  - Sensors – IMU, GPS, Magnetic, air data
  - Sensor conditioning and estimation techniques
  - High bandwidth, real time, control systems
  - Matlab, simulation, in-flight vehicle and gimbal tuning
  - Optical and thermal imaging systems

- **Mechanical design**
  - Mechatronics
  - Airframe & robotic structure
  - Materials and optimization
  - Propulsion systems (Motor, Prop)
  - Gimbal mechanics
  - Optical design

Please apply at: www.FLIR.com/careers