Andrew Gray

Summary of Qualifications:

- Program in C, visual basic, C++, MATLAB
- Adept with soldering, circuit board design and assembly, and working with materials
- Experience with Arduino microcontroller and environment
- Strong foundation in embedded processing with microcontrollers

Leadership:

- Trained over 40 midshipmen in preparation for their future careers as naval officers.
- Managed 13 sailors as the Auxiliaries officer on board USS CAPE ST GEORGE (CG 71).
- Lead a division of 20 sailors on board USS JASON DUNHAM (DDG 109).

Supervision:

- Project lead for midshipman engineering team of four. Acquired $10K, designed, built, and tested remote control bomb defusing robot with stereoscopic vision.
- Conducted quality insurance on the operation and trouble-shooting of $20 million of auxiliary equipment.
- Supervised, during construction of USN destroyer, installation and testing of Aegis Weapons System.
- Saved the Navy $2.5 million by identifying and replacing 10 radar drivers while the ship was still under warranty
- Ensured $100+ million phased array radar, supporting equipment, and weapons systems operated at peak performance on DDG 109.

Developments:

- Built GPS based reverse geocache box inspired by Mikal Hart.
- Created GPS heads up display for truck showing course and speed over ground.
- Constructed ceiling mounted drop down Garmin GPS robotic arm.
- Created, tested, and installed electrical components on autonomous lawn mower Instigator 2 and competed in the 2012 ION Autonomous Lawn Mower Competition.

Education:

United States Naval Academy: BS, minor in Systems Engineering
United States Navy: Aegis Weapons Systems, Anti-Air Warfare Coordinator

Employment History:

- 2012-Present: Electrical and Computer engineering student at the University of Florida
- 2009-2012: Fire Control Officer on board USS JASON DUNHAM (DDG 109)
- 2007-2009: Auxiliaries Officer on board USS CAPE ST GEORGE (CG 71)
- 2003-2007: Midshipman at the United States Naval Academy