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## Avionics Intern or Junior Development Engineer

Flight Works, Inc. is a growing OEM (Original Equipment Manufacturer) of advanced components and systems for aerospace, medical, and other applications. We are seeking a dynamic, result-focused, hands-on avionics development engineer to focus on the development of our space electronics products. The position provides the opportunity for exposure to many disciplines, systems, and technologies in a fast-paced environment, where you will be working with others in all aspects of the product development cycle, starting with our space products.

### Responsibilities

The primary responsibility of the avionics intern or junior engineer is to develop electronics hardware and support firmware/software development, from requirements to V&V. These include:

- Work with others to define/refine/decompose avionics board-level requirements
- Implement avionics technical solutions, from architecture definition to component selection and board layout
- Perform power and thermal analyses and optimize designs
- Coordinate PCB fabrication and component integration; modify boards as needed
- Verification and validation using bench test equipment
- Develop and execute V&V test plans, procedures and reports
- Support development, verification, and validation of firmware/software
- Work with mechanical engineers for board mechanical and thermal integration
- Perform board FMECA and reliability analysis

### Required Qualifications

- Intern: Junior or Senior Electrical Engineering student, or related discipline
- Junior Engineer: B.S. in Electrical Engineering, or related discipline
- Experience developing electronics hardware, from requirements definition to board verification
- Strong analytical skills
- Meticulous, with excellent verbal, written, and graphical communication skills
- Highly self-motivated and able to handle concurrent tasks requiring various sets of skills at multiple stages of the product development cycle
- Able to work well in an integrated team including daily interactions with technicians, engineers, and management
- “US Person” eligible to receive technical data controlled under the Export Administration Regulations (EAR) or the International Traffic in Arms Regulation (ITAR)

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*Flight Works, Inc. is an equal opportunity employer  
You may be required to pass additional medical tests, credit checks, and/or other requirements*

## Preferred Qualifications

- M.S. or graduate student in Electrical Engineering preferred
- Embedded development experience RTOS, C, C++, Python, Fourth, Assembly
- Proficient with eCad tools and LabView for design, development, verification and analysis
- Familiar and experienced with EEE-INST-002, IPC-2220 Series, IPC-6010 Series, NPR-7150.2C or equivalent
- Familiar with environmental testing including shock, vibration, thermal/TVAC and EMI/EMC
- Experience with FMECA and reliability analysis

## Application information

Make sure your **resume includes specific related experience**, including college projects for interns and recent graduates. Applications without a description of what *the applicant* performed in a specific electronics development project will not be considered.

We are seeking Senior-level inter or full-time junior engineer with 0-2 years of experience but will consider more senior engineers with relevant experience and exceptional aptitudes.