



Aviation Systems and Pilot Human Factors Engineer Intern

Job Number:1500004

Open Date: 1/4/2015

Location: Olathe, KS



Description

Our avionics systems are taking off, so we're looking to board a talented aviation engineer intern. Our Aviation Systems and Human Factors Intern will learn and train to conceive, plan, design, implement, and report on broad system level requirements and tests for complex integrated avionics systems that span several multi-disciplinary functions including human factors. Perform user interface reviews, system level bench testing and regression testing for software changes and assist in human factors evaluations for integrated flight deck programs and/or retrofit product lines.

We are looking for a full-time Aviation Systems and Human Factors Engineer Intern for our headquarters in Kansas City who will perform user interface reviews of basic software changes, system level bench testing of select software changes and new functionality.

Additional responsibilities for this role include:

- Obtain an in-depth understanding of Garmin integrated avionics systems and possibly aftermarket products and mobile applications.
- Learn the hardware and software tools used by the team. Identify and make improvements for quality, efficiency, and scalability of the team services as needed.
- Learn the processes of the team and offer suggestions or make changes to improve the processes.
- Learn basic working knowledge of Garmin aviation user interface guidelines
- Assist in maintaining system benches and flight simulator labs including software loading and configuring for different airframes
- Create software change requests that clearly define new features and functionality, identified software issues, necessary changes, and steps to recreate problems
- Assist in human factors evaluations
- Communicate status of work clearly providing visibility to supervisor or mentor and thoroughly document work in an organized manner

Qualifications

Candidates for this role should possess completed coursework in Computer Science, Aerospace Engineering, Electrical Engineering, Computer

Engineering, Human Factors, Math, or Physics OR equivalent education or experience.

- Additional requirements for this role include:
- Excellent academics (minimum 3.0 cumulative GPA)
- Demonstrated strong and effective verbal, written, and interpersonal communication skills
- Must be team-oriented, possess a positive attitude and work well with others
- Driven problem solver with proven success in solving difficult problems
- Superior organizational and analytical skills with keen attention to detail and quality

The following qualifications are preferred:

- Working knowledge of aviation, avionics, and applicable FAA regulations including a pilot's license or equivalent aviation experience
- Experience operating Garmin Integrated Flight Decks (e.g. G1000) or other Garmin aviation products
- Relevant experience and/or training in an applicable high level software programming language
- Previous experience working with avionic products
- Excellent academics (minimum 3.5 cumulative)
- Experience and/or training in working with cross functional teams
- Other education and or experiences as required for the specific projects he/she will develop

At Garmin, we like to laugh, have fun and work hard. It comes easily when you work on cool products with hard-working individuals who share the same passion. We offer numerous opportunities to get involved – kickball anyone? – and believe strongly in a work-life balance so your creativity can flow. Garmin offers interns company paid housing and other incredible benefits...an intern package that tops the competition. To learn how you can be a part of our nationally recognized internship program....Apply today.

EEO/AA/Minorities/Females/Disabled/Veterans