SOFTWARE ENGINEER- EMBEDDED COMMUNICATIONS – NEW GRAD

Posting ID: EM18931581
Company Website: https://www.rockwellcollins.com/

Company: Rockwell Collins
Work Location: Cedar Rapids, IA

Position Type: Full-Time
Salary:

College Major(s): Computer Science (CS)
College Level(s): Undergraduate-Senior, Graduate Student, PhD. Student

OVERVIEW

Want to work with some of the most talented, dedicated people on the planet? Do you value relationships, commitment, innovation and integrity? Want to be a part of a company that has been named numerous times as America’s Best Employer in Aerospace and Defense by Forbes magazine?

Then Rockwell Collins is the place for you. Join our team and build a rewarding career while helping to deliver the most trusted source of aviation and high-integrity solutions in the world.

We are currently searching for a Software Engineer- Embedded Communications – New Grad to join our team in Cedar Rapids, IA (1000). A comprehensive relocation package is available for qualified candidates. Employing some of the most talented, dedicated people on the planet is not by chance. People from all over the globe choose Rockwell Collins as the place to build a rewarding career, while helping create and deliver communications, integration, and engineering solutions that our global customers demand so that our world keeps moving and stays connected. It’s an exciting time to become a part of our team. Join us and discover how high your career can soar at Rockwell Collins.

Roles and Responsibilities
As a Software Engineer in this organization, you will be involved in the innovative design and development of our next generation of embedded Communication Products covering all spectrum bands and multiple airborne and ground platforms. Examples of these products range from high-frequency radios to secure, sophisticated software-defined radios that can enable pilots and soldiers to transfer data, voice and imagery over the air.

Job Responsibilities
Designing, developing and testing embedded software in communications products for the U.S.
military and international customers
Collaborating on software requirements and design
Implementing software
Unit testing and software hardware integration based on defined requirements and detailed design
Helping to solve complex software and systems problems

**Education and Qualifications**
Bachelor’s degree in a Science, Technology, Engineering or Math (STEM) discipline
U.S. Citizenship is required. Candidate selected will be subject to a government security investigation and must meet eligibility requirements.
Must possess or be eligible to obtain a U.S. DoD Secret Clearance.
Experience with object-oriented analysis, design, and development (e.g., in C++, Java, etc.)
Excellent communications skills to communicate technical issues and status in both written and oral form
Excel working in a team environment, establishing collaborative relationships with co-workers
Be familiar with standard software development practices and willing to adapt them to Rockwell Collins software development processes.
Consistently produce superior results, keeping projects on schedule and contributing to a positive work environment
Candidates must attach their transcripts to their application
Preferred, but not required, experience/skills with any of the following:

Radio communications systems
Multi-threaded embedded application software development and integration in C++
Unified Modeling Language (UML) and design patterns
Common Object Request Broker Architecture (CORBA) and Extensible Markup Language (XML)
IP networking and networking protocols, particularly with network service layers 2 and 3
Comfortable working in a Linux development environment
Mobile ad-hoc networks (MANETs)
Scripting languages such as python and perl
Cryptography
Digital signal processing

**How to Apply**