ELECTRICAL ENGINEER – NEW GRAD – GOV'T. SYSTEMS – FPGA & ASIC SOLUTIONS

Posting ID: EM18931576

Company: Rockwell Collins

Position Type: Full-Time

College Major(s): Electrical/Computer Engineering (EE/CpE)

Company Website: https://www.rockwellcollins.com/

Work Location: Cedar Rapids, IA

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 Electrical Engineer – New Grad – Gov’t. Systems – FPGA & ASIC Solutions 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

Perform assignments requiring use and application of electrical engineering or scientific development principles and techniques. Assignments usually consist of solving problems that are a part of a larger project or system. Uses independent judgment to make decisions in day-to-day job responsibilities the majority of the time under general supervision.

Job Responsibilities

Requirements capture
ASIC / FPGA digital architecture and design
Verification, and system integration

RTL coding and simulation in VHDL or Verilog

Desired skills of a successful candidate:

Experience using ASIC and/or FPGA CAD tools (e.g. Modelsim or FPGA-specific tools)

Digital circuit architecture and resource tradeoffs

Some background in signal processing and/or information assurance

Familiarity with the signal processing system simulation & analysis tools (e.g. Matlab, Simulink)

Familiarity with revision control concepts and tools (e.g. Clearcase, Subversion)

Apply knowledge of product domain, technology domain, processes, tools, methods, work flow and best practices for hardware development with primary emphasis on electrical designs. Demonstrate skills for the design test and documentation of hardware based on established design requirements and design approach. May include electrical analysis (power, VSWR, impedance matching, digital timing, etc.). Demonstrate knowledge of printed circuit board schematic and layout processes, design to cost, component selection, engineering procurement, engineering lab processes, hardware qualification processes, change management, and factory transition processes (potentially including a rotation as a collateral engineer). Provides engineering estimates for own work on tasks similar to those previously performed. Understands and utilizes the appropriate RC processes and tools during product development, resulting in increased product quality and improving customer satisfaction. Contribute to hardware engineering requirements in the capture, analysis and creation for components of electrical designs. Participate in cross-functional team efforts in integration, pre-qualification and qualification for products and sub-systems. Individual job duties may vary.

Education and Qualifications
Bachelor’s degree in a Science, Technology, Engineering or Math (STEM) discipline by Spring or Summer 2019

Able to obtain a U.S. DoD Security Clearance

At Rockwell Collins, we believe a solid work-life balance creates a healthy lifestyle and inspires creativity and innovation. We value our people and invest in their development, growth and success at our company by providing development opportunities through Rockwell Collins University, networking, mentoring, and tuition reimbursement.

And that’s just for starters.

Some of our competitive benefits package includes:
Medical, dental, and vision insurance

Three weeks of vacation for newly hired employees

Company-paid winter holiday shutdown for most locations

Generous 401(k) plan that matches 62.5 percent of the first 8 percent of eligible compensation you contribute (or 5 percent if you save 8 percent)

An Incentive Pay Plan based upon company performance

Tuition reimbursement

And more

How to Apply