Who Are We?

Applied Technology is a development & prototyping lab of nearly 300 people. We specialize in low volume, advanced wireless communications products. Our products are proof of concept and customized products for government and private industry customers.

Duties & Responsibilities

You will be a member of a small (1-6 person) multi-disciplinary team, and will be responsible for architecting/implementing/testing FPGA-based signal processing solutions for a variety of advanced wireless communications products. You will be involved in all phases of projects, from requirements analysis and system architecture, through VHDL coding, test bench design, verification, synthesis and FPGA place and route.

You will work closely with software developers and you will have a hands-on role in product integration and debugging. You must be a flexible, results-oriented problem-solver who requires minimal supervision. Projects can vary greatly from one to the next, so you must thrive on variety and enjoy taking on new challenges.

As you will be working in a small project team and regularly interacting with customers, excellent communications and teamwork skills are essential.

Job grades are determined by qualifications. We cannot sponsor any work authorization for these positions.

Specific Requirements

- A BS or MS in Electrical or Computer Engineering or a similar engineering degree from an accredited university.
- Coursework or experience in one or more of the following: Advanced Digital Logic, Integrated Circuits, FPGA, VHDL, VLSI, MATLAB/SIMULINK. Experience in embedded software development and SoC using embedded soft processors such as Xilinx MicroBlaze or Altera Nios are a plus.
- Due to government contract obligations, US citizenship and the ability to obtain a government security clearance are required.

Department Benefits

- Engineers are involved with the project from start to finish, and regularly interface with customers
- Broad range of project responsibilities, including hardware (if desired)
- Low budget constraints
- Variable sized project teams
- Variable project schedules
- Competitive pay
- Flexible start time

Corporate Headquarters Benefits

- On-campus health club, daycare, credit union, volleyball, basketball, and softball
- Off-campus golf, bowling, racquetball, soccer, and other leagues/clubs
- 5 minutes from Woodfield Mall area with ample shopping, dining, and entertainment
- Located in Schaumburg, Illinois, roughly 30 miles northwest of downtown Chicago. Nearby Interstate access, plus a free shuttle from campus to commuter trains into the city

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