**OVERVIEW**

Communication & Devices Group: The wireless revolution at Intel! We are one team - passionate engineers and technologists from diverse industry backgrounds working together to realize a world of connected computing. We are bringing the best ideas from the brightest minds to deliver future mobile experiences into the market. We are on the journey towards making Intel a wireless leader with exciting products for the Internet of Things, 5G and an opportunity to change the world with your work.

**Roles and Responsibilities**

Responsibilities may be quite diverse of an exempt technical nature. U.S. experience and education requirements will vary significantly depending on the unique needs of the job. Job assignments are usually for the summer or for short periods during breaks from school.

In a dynamic international project team you are working on the design and implementation of mobile receiver algorithms and control specification. This encompasses some of the following tasks:

- Design and development of advanced PHY layer algorithms and physical control
- Modeling of wireless transmission systems and simulation of a complete transceiver system.
- Analysis of 3GPP LTE/LTE-A/5G physical layer signal processing requirements
- Performance evaluation and optimization of mobile receiver algorithms via
- Drive innovation in baseband modem algorithm design and architecture
- Fixed point reference modeling for on target implementation
- Participation in design and test-plan reviews for Power and performance analysis
- Excellent Analytical and Research Skills

**Education and Qualifications**

You must possess the below minimum qualifications to be initially considered for this position. Experience listed below would be obtained through a combination of your school work/classes/research and/or relevant previous job and/or internship experiences.
Minimum Qualifications:

- MUST HAVE AVAILABILITY FOR A 6 OR 12 MONTHS INTERNSHIP
- The ideal candidate must be pursuing a Master’s or PhD degree in electrical engineering or related field.
- Minimum 6 months of theoretical and practical experience in the following fields:
  - Digital Signal Processing and (embedded) DSP architectures
  - Telecommunications and Mobile Communications
  - Programming in C/C++, Matlab, and DSP-Assembler language
  - Working in a Unix Environment with Batch Job Submissions on Compute Clusters

How to Apply
Click [here](https://unlv.edu/engineering/jobs) to apply!