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# Example of Algorithm Engineer Job Description

Our innovative and growing company is looking for an algorithm engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for algorithm engineer

* Evaluate and compare different techniques (using MatLab)
* Develop & Validate sensor data acquisition techniques in C or C++ languages for Android Platform
* Independently develop Software and algorithms based upon detailed systems and/or software requirements
* Develop, present, and defend the design in design review meetings
* Develop solutions in accordance with established software and hardware development procedures
* Interact with product management and other SW/HW engineers to improve product automation and performance
* Unit test software prior to turnover to software quality assurance engineer
* Provide second level customer support as needed
* Responsible for 4G/5G algorithm design and prototype software implementation
* 3GPP and customer specification analysis and engineering requirement scoping & definition

## Qualifications for algorithm engineer

* PhD/Masters degree in Electrical Engineering/Bio-Medical Engineering or related fields
* A minimum of 3-5 years of relevant signal processing algorithm design experience
* Proficient in MATLAB programming and associated toolboxes
* Must be able to obtain a DoD Secret clearance within one year of start date
* Familiar with algorithm development
* Experience in building large-scale engineering software and/or compiler technology (intermediate representations, control-flow analysis ) is a huge plus