



POSTING DATE: May 16, 2016

JOB DESCRIPTION: Senior Electrical Engineer- ASIC Development

Location: NeuSpera Medical, Inc Head Quarters in Santa Clara, CA,

Reporting To: Vice President of R&D, NeuSpera Medical, Inc

JOB SNAPSHOT

Base Pay	Negotiable
Employment Type	Full-Time
Job Type	Engineer
Education	M.S. or Ph.D. in Electrical Engineering
Experience	At least 5 year(s)
Manages Others	No
Industry	Medical Devices and Mixed Signal Designs
Required Travel	Yes
Other	Experience working in an ISO 13485 compliant workplace.

About NeuSpera Medical, Inc

NeuSpera Medical Incorporated is an exciting medical device startup company headquartered in Santa Clara, CA that is committed to bringing forward implantable medical device technology that will improve lives of patients battling with chronic illness.

PRIMARY FUNCTION:

NeuSpera Medical is seeking an ASIC Engineer deep experience/knowledge in taking a design from concept to specification through design, tapeout, test and delivery. The qualified candidate will be capable of evaluation, selection and application of standard engineering practices, techniques and procedures. The idea candidate will have experiences working with and managing 3rd party ASIC developers and foundries. The ASIC Engineer must be capable of identifying specifications, performing trade studies and industry research and performing technical analysis. The qualified candidate in this role will also be asked to assist and, at times, mentor junior engineers.



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Responsibilities will include interfacing with other engineering disciplines, managing our ASIC design and production and you will have a critical impact on getting functional transformational products to market quickly. You will lead and participate in ASIC development, including architecture, specification, design, verification, fabrication, debugging, test development, and sustaining engineering. The position demands strong hands-on design and troubleshooting abilities, combined with technical and project leadership skills.

JOB DUTIES:

- Design to Value: Combine aggressive product cost management (design to cost) with a strong understanding of customer needs to deliver attractive, high value product solutions.
- Rapid prototyping: Quickly translate product design needs into prototype forms ready for evaluation.
- Continuous Improvement: Continuously improve products, prototypes & development processes with an eye toward adding value & improving efficiency.
- Program Management: Build, maintain and manage against high-level project plans that detail timeline of deliverables, costs, scope & people.
- Intellectual Property: Disclose new ideas and support formal development of intellectual property.
- Contribute to a goal oriented, collaborative & productive work environment.
- Other responsibilities as assigned

JOB REQUIREMENTS

ASIC Developer

Qualifications and Experience:

- M.S. or Ph.D. in Electrical Engineering
- 5 or more years experience in engineering and design of electrical systems (Healthcare applications preferred)
- Results driven, collaborative team player capable of working well with others, as well as autonomously with little direction
- Ability to listen to customers and translate into accurate, actionable specifications



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- Strong Electrical Engineering or Electronic Design and fabrication skills
- Significant experience with ultra-low power analog and digital design/integration of integrated circuits on a sub-micron technology node
- Technical expertise on the entire ASIC design flow including specification, architecture, simulation, layout, extraction, LVS/DRC, physical backend leading to tapeout
- Experience with energy harvesting is a plus
- Experience with Cadence toolset
- Experience writing specifications and managing vendors to meet them
- Experience with system modeling using matlab is a plus
- Knowledge of RF/EM theory and wireless development
- Familiarity with integrated receive and transmit communication circuits
- Experience with electromagnetic design and modeling
- Basic understanding of circuit board design
- Strong verbal and written communication skills
- Strong computer skills required; Product Design & Modeling tools

Work Environment:

- Office and Laboratory
- Some travel necessary