Do you want to build a technology that enables autonomous cars, aircraft navigation, and even makes energy cheaper?

At Atomionics, we are building sensing technology which performs 1000x better than the current state of the art – using Atom Interferometry, harnessing the potential of wave-nature of atoms. An exponentially better GPS system, pinpointing mineral and hydrocarbon reserves, and drift free navigation systems for aircrafts and underwater vehicles are possible only with these sensors. GPS infrastructure and technology are only built by nations, what if we could together build an exponentially better navigation and positioning system and redefine sensing technology in the process. This is a chance to literally define the technology trajectory, and create a dent in the universe (and measure the dent as well)

Atomionics is an early-stage fast growing startup based in Singapore, supported by CQT’s Alumni Industry Programme and NUS Enterprise, along with some of the best investors and business partners. As an early employee, you’ll also be a culture contributor, helping define the culture of the company.

Physicist in Atom Interferometry

Responsibilities:
- Design and development of atom-interferometry based sensors
- Work in collaboration with electronics and mechanical engineers to develop the system
- Research on the improvement and miniaturization of atom-interferometry based sensors
- Write patents

About you:
- Master’s or PhD in Physics, with research experience in Cold Atom Physics
- Proficient in experimental work in quantum optics
- Ability to work independently and in a team

Even better if you have:
- Prior experience in Atom Interferometry, built a cold atom setup from scratch
- Built atom-interferometry based accelerometer or gyroscope
- Experience in theoretical simulation of atomic systems

What can we offer you:
- Progress with Atomionics growth with access to our Employee Stock Option Pool and own the work you do along with a competitive Salary
- A comprehensive medical insurance plan
- A book/hobby project allowance to help you grow and collectively build the Atomionics library
- Regular board games and curry night. Board games can get very competitive

If you think you have what it takes to build the future, contact sahil@atomionics.com with your CV to apply or to learn more about the project. Atomionics is an equal opportunity employer and welcomes applications from all backgrounds.

Application Deadline: We interview on a rolling basis, our application deadline is 10th April 2020.
Mechanical Engineer in Atom Interferometry

Responsibilities:
● Develop the system architecture to ensure robustness and reliability in a dynamic environment for Atom Interferometry sensing systems using structural analysis and characterization
● Design the housing and packaging for a miniaturized atom-interferometry setup
● CAD models for precision manufacturing and fabrication of optomechanical benches

About you:
● Bachelor’s or master’s degree in Mechanical Engineering, Manufacturing Engineering or related discipline
● Experience using Solidworks/Autodesk/other CAD software
● Experience in different manufacturing techniques and vibration analysis

Even better if you have:
● Prior experience in precision manufacturing and novel manufacturing techniques
● Executed on product development from prototyping to final product deployment
● Built micro-optical benches

What can we offer you:
● Progress with Atomionics growth with access to our Employee Stock Option Pool and own the work you do along with a competitive Salary
● A comprehensive medical insurance plan
● A book/hobby project allowance to help you grow and collectively build the Atomionics library
● Weekly board games and curry night. Board games can get very competitive

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