



Research Scientist

Overview

Lyric Semiconductor is a fast-paced early stage venture on a mission to revolutionize communications systems using highly innovative algorithms, architectures, and hardware. We are now seeking exceptional talent to take us to the next level as we work hard to make a little history and build a great company. As a Research Scientist at Lyric you will work closely with the CTO and other Lyric scientists and engineers to pioneer a new paradigm in computation.

Job Responsibilities

Your primary responsibility will be to help design sophisticated algorithms and solve mathematical problems relating to signal processing, optimization, statistical inference, communications, robust control, numerical methods, algebraic geometry, and abstract algebra, as well as to innovate, patent, and publish.

Preferred Qualifications

- MS/PhD in Math, Applied Math, or EECS
- Deep understanding and research experience in applied mathematics including signal processing, optimization, statistical inference, communications, numerical methods, abstract algebra, and robust control
- Ability and desire to write code and run simulations to test hypotheses
- Comfort with Java, C++, Python, MATLAB, SPICE, Verilog, and any other programming language you encounter
- Comfort with complicated analytical derivations and proofs
- Careful attention to mathematical detail and precision
- Interest in statistical physics and semiconductor device physics
- High level of creativity
- Aggressive pursuit of research results
- Impeccable written and verbal communications skills
- Experience in industrial research environment and/or journal quality publications
- US citizenship or Visa