Sriram Gopalakrishnan

CONTACT INFORMATION

Institute of Quantum Computing,
University of Waterloo, Canada

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https://sriramgkn.github.io

INTERESTS

Quantum Algorithms, Superconducting Circuits, Applied Mathematics

EDUCATION

University of Waterloo (September 2020 - present)
Physics Ph.D. (Quantum Information) Advisor: Dr. Matteo Mariantoni
Grade: 94%

IIT Madras (August 2016 - June 2020)
B.Tech. in Engineering Physics
CGPA: 8.74/10 (*Rank: 4 of 28*)
Thesis: Vector 3D FEM for Electromagnetic Scattering Advisor: Dr. Uday Khankhoje

PAST EMPLOYMENT

Tata Institute of Fundamental Research (May 2019 - June 2019)
Research Intern (VSRP fellowship) Advisor: Dr. R Vijay
Awarded *Best Project* in Condensed Matter Physics

Homi Bhabha Centre for Science Education (December 2017 - December 2018)
Research Intern (NIUS fellowship) Advisor: Dr. Praveen Pathak

PUBLICATIONS

Long-range connectivity in a superconducting quantum processor using a ring resonator
Sumeru Hazra, Anirban Bhattacharjee, Madhavi Chand, Kishor V. Salunkhe,
Sriram Gopalakrishnan, Meghan P. Patankar, R. Vijay
Under peer-review in PRX Quantum. [arXiv]

Landau Quantization of a circular Quantum Dot using the BenDaniel-Duke boundary condition
Sriram Gopalakrishnan, Sayak Biswas, Shivam Handa
Superlattices and Microstructures (2020) [DOI] [pdf]

SELECTED COURSEWORK

Waterloo: Quantum Information
IIT Madras: Quantum Information, Dynamical Systems, Stochastic Processes, Optimization