



Hi, I'm Nadya Voronova

(Nadya short for Nadezhda)

I'm a PhD student at Boston University

Advisor: Mark Bun

Interests: sublinear algorithms, quantum computing

Website: <https://cs-people.bu.edu/voronova/>

Looking for: Postdoc in academia or industry

Starting: Summer or Fall 2025

Research interests

Quantum computing



Streaming,
space complexity



Analysis of Boolean
functions, polynomial
approximations



Query complexity



Communication
complexity



Other: Sample complexity,
Differential privacy,
Optimization, ...



Papers/projects:

Bun, V [TQC`23]

Approximate degree lower bounds for oracle identification problems



Kallauger, Parekh, V [QIP`24, STOC`24]

Exponential Quantum Space Advantage for Approximating Maximum Directed Cut in the Streaming Model



Kallauger, Parekh, V [SOSA`25]

How to Design a Quantum Streaming Algorithm Without Knowing Anything About Quantum Computing



Bun, Desai, V

Ongoing



Bun, Doriguello, Kallauger, V

Ongoing



Research internship
at JPMorgan (2024)



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