

Seyed Sajjad Nezhadi

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EDUCATION

University of Maryland, College Park, Maryland.

- Doctor of Philosophy: Computer Science
- Advisors: Victor Albert and Matthew Coudron

2020 –

University of Toronto, Toronto, Canada.

- Honours Bachelor of Science: Mathematics and Computer Science
- Advisor: Henry Yuen

2015 – 2019

PUBLICATIONS

Nonlocal Games, Compression Theorems, and the Arithmetical Hierarchy.

Hamoon Mousavi, *Seyed Sajjad Nezhadi*, and Henry Yuen.

- In proceedings of *Symposium on Theory of Computing (STOC)* 2022.
- To be presented as a **Plenary talk** at *Quantum Information Processing (QIP)* 2022.
- To be presented at the *Tsirelson Memorial Workshop* 2022.
- arXiv:2110.04651.

Synchronous Values of Games.

J. William Helton, Hamoon Mousavi, *Seyed Sajjad Nezhadi*, Vern I. Paulsen, Travis B. Russell

- To be presented at the *Tsirelson Memorial Workshop* 2022.
- arXiv:2109.14741.

On the complexity of zero gap MIP*.

Hamoon Mousavi, *Seyed Sajjad Nezhadi*, and Henry Yuen.

- In proceedings of *International Colloquium on Automata, Languages, and Programming (ICALP)* 2020.
- Presented at *Theory of Quantum Computing (TQC)* 2020.
- arXiv:2002.10490

A generalization of CHSH and the algebraic structure of optimal strategies.

David Cui, Arthur Mehta, Hamoon Mousavi, and *Seyed Sajjad Nezhadi*.

- In *Quantum* **4**, 346 (2020).
- Presented at *Quantum Information Processing (QIP)* 2020.
- arXiv:1911.01593

TALKS

Generalization of CHSH.

University of Copenhagen, Jan 2022.

Computability and compression of nonlocal games.

University of Ottawa, Oct 2021.

Computability and compression of nonlocal games.

IQC-QuICS Math and Computer Science seminar, Mar 2021.

Quantum computing: why you should care!

Isfahan University of Technology, Mar 2021.

On the complexity of zero gap MIP*.

Theory of Quantum Computing (TQC), Jun 2020.

WORKSHOPS

Non-local games in quantum information theory.

American Institute of Mathematics, May 2021.

WORK

Xanadu, Toronto, Canada.

- Quantum Research Resident

May 2021 – Aug 2021

Agnostiq, Toronto, Canada.

- Quantum Applications Intern

Apr 2020 – Jul 2020

EXPERIENCE

University of Toronto, Toronto, Canada.

	<ul style="list-style-type: none"> ▪ Research Assistant <ul style="list-style-type: none"> • Under supervision of Henry Yuen. 	May 2019 – Apr 2020
	Recycle Coach , Toronto, Canada.	
	<ul style="list-style-type: none"> ▪ Software Engineer Intern 	May 2017 – Aug 2017
	Kik Interactive , Toronto, Canada.	
	<ul style="list-style-type: none"> ▪ Software Developer 	May 2016 – Aug 2016
TEACHING	University of Maryland	
	<ul style="list-style-type: none"> ▪ Teaching Assistant <ul style="list-style-type: none"> • CMSC456 - Cryptography 	<i>Fall 2021</i>
	University of Waterloo, Centre for Extended Learning	
	<ul style="list-style-type: none"> ▪ Assistant Instructor <ul style="list-style-type: none"> • DS2 - Statistics for Data Science 	<i>Winter, Summer, Fall 2020</i>
	University of Toronto	
	<ul style="list-style-type: none"> ▪ Teaching Assistant <ul style="list-style-type: none"> • CSC343 - Introduction to Databases 	<i>Winter 2019</i>
REVIEWING	Quantum Information processing (QIP)	
LANGUAGES	English, Persian and French.	
SKILLS	Python, Matlab, C++, SQL, Qiskit, Numpy, PyTorch, TensorFlow, \LaTeX .	