

# Seyed Sajjad Nezhadi

sajjad-nezhadi.github.io

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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.

- arXiv:2110.04651, 2021.

**Synchronous Values of Games.**

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

- arXiv:2109.14741, 2021.

**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

**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.

- Stipend included

## WORK

### EXPERIENCE

**Xanadu**, Toronto, Canada.

- Quantum Research Resident

May 2021 – Aug 2021

**Agnostiq**, Toronto, Canada.

- Quantum Applications Intern

Apr 2020 – Jul 2020

**University of Toronto**, Toronto, Canada.

- Research Assistant
- Under supervision of Henry Yuen.

May 2019 – Apr 2020

**Recycle Coach**, Toronto, Canada.

- Software Engineer Intern

May 2017 – Aug 2017

	<b>Kik Interactive</b> , Toronto, Canada.	
	▪ Software Developer	May 2016 – Aug 2016
<b>TEACHING</b>	<b>University of Maryland</b>	
	▪ Teaching Assistant	
	• CMSC456 - Cryptography	<i>Fall 2021</i>
	<b>University of Waterloo, Centre for Extended Learning</b>	
	▪ Assistant Instructor	
	• DS2 - Statistics for Data Science	<i>Winter, Summer, Fall 2020</i>
	<b>University of Toronto</b>	
	▪ Teaching Assistant	
	• CSC343 - Introduction to Databases	<i>Winter 2019</i>
<b>LANGUAGES</b>	▪ English, Persian and French.	
<b>SKILLS</b>	▪ Python, Matlab, C++, SQL, Numpy, PyTorch, TensorFlow, $\text{\LaTeX}$ .	