

Seyed Sajjad Nezhadi

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EDUCATION

University of Maryland, College Park, Maryland.

- Doctor of Philosophy: Computer Science 2020 –

University of Toronto, Toronto, Canada.

- Honours Bachelor of Science: Mathematics and Computer Science 2015 – 2019
 - Advisor: Henry Yuen

PUBLICATIONS

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.

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.

WORK

EXPERIENCE

Xanadu, Toronto, Canada.

- Quantum Research Resident May 2021 – Aug 2021

Agnostiq, Toronto, Canada.

- Quantum Applications Intern Apr 2020 – Jul 2020
 - Worked on Quantum Machine Learning for the Quantum State Discrimination Problem.

University of Toronto, Toronto, Canada.

- Research Assistant May 2019 – Apr 2020
 - Worked on problems in the areas of Quantum non-local games and Interactive proofs, under the supervision of Prof. Henry Yuen.

Recycle Coach, Toronto, Canada.

- Software Engineer Intern May 2017 – Aug 2017
 - Developed a smart notification system by analyzing collection schedule data using PHP, Javascript and SQL, as well as a Facebook conversational agent with a natural language processing back-end.

Kik Interactive, Toronto, Canada.

- Software Developer May 2016 – Aug 2016
 - Developed two conversational agents, using Python and NLP methods, including a fashion robo-advisor that was actively serving more than 300,000 users.

TEACHING

University of Waterloo, Centre for Extended Learning

- Assistant Instructor
 - DS2 - Statistics for Data Science Winter, Summer, Fall 2020

University of Toronto

- Teaching Assistant
 - CSC343 - Introduction to Databases

Winter 2019

LANGUAGES

- English, Persian and French.

SKILLS

- Python, Matlab, C++, SQL, Numpy, PyTorch, TensorFlow, L^AT_EX .