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

On the complexity of zero gap MIP*
Theory of Quantum Computing (*TQC*) 2020 (Riga, Latvia)

WORK EXPERIENCE

Agnostiq, Toronto, Canada.

- Quantum Applications Intern — Apr 2020 – Aug 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, LaTeX .