

Christopher Molloy

Cybersecurity Researcher

DETAILS

INFO

Address

49 Lowther Ave., Toronto, M5R 1C5, Canada

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Email

chris.molloy@queensu.ca

LINKS

[GitHub](#)

[L1NNA Laboratory](#)

SKILLS

Python	<div style="width: 100%;"><div style="width: 60%;"> </div></div>	6y Experience
Java	<div style="width: 100%;"><div style="width: 50%;"> </div></div>	5y Experience
HTML/CSS/JavaScript	<div style="width: 100%;"><div style="width: 80%;"> </div></div>	8y Experience
R	<div style="width: 100%;"><div style="width: 30%;"> </div></div>	3y Experience
MySQL	<div style="width: 100%;"><div style="width: 40%;"> </div></div>	3y Experience
GitHub	<div style="width: 100%;"><div style="width: 60%;"> </div></div>	6y Experience
PHP	<div style="width: 100%;"><div style="width: 40%;"> </div></div>	2y Experience
Linear Algebra	<div style="width: 100%;"><div style="width: 60%;"> </div></div>	6y Experience
Algebraic Structures	<div style="width: 100%;"><div style="width: 40%;"> </div></div>	2y Experience
Calculus	<div style="width: 100%;"><div style="width: 60%;"> </div></div>	6y Experience
C++	<div style="width: 100%;"><div style="width: 30%;"> </div></div>	3y Experience
C	<div style="width: 100%;"><div style="width: 20%;"> </div></div>	2y Experience

REFERENCES

Dr. Steven Ding
L1NNA Research Laboratory
ding@cs.queensu.ca

Dr. Jeff Wrana
The Lunenfeld-Tanenbaum Research Institute
wrana@lunenfeld.ca

PROFILE

I am a graduate student currently researching adversarial learning at Queen's University in Kingston, Ontario at the L1NNA Laboratory. This research area reflects my love of mathematics, which is also why I chose to focus on math and statistics while achieving my undergraduate degree in Computer Science at Queen's. Throughout my undergraduate I had the pleasure of working in many different environments, from house construction to robotics programming. I have a wide variety of skills that I use to solve all problems that I see in front of me.

EDUCATION

Master's of Science, Queens University Kingston
Sep 2020 – Present

I am currently researching adversarial learning on malware. More specifically, if reinforce multi-agent environments can be used for malware generation and detection.

Relevant Coursework: Data Mining, Neural Networks, Topics in Cybersecurity, Deep Learning

Bachelor's of Computing in Mathematics, Queens University Kingston
Sep 2016 – April 2020

Relevant Coursework: Linear Data Analytics, Software Architecture, Advanced Calculus, Applied Methods of Statistics, Statistical Computing, Time Series Analysis, Data Structures, Algorithms

PUBLICATIONS

Coming Soon!

EMPLOYMENT HISTORY

Research Member, L1nna Research Laboratory Kingston
Jan 2020 – April 2020

Selected Employment Experience: I implemented an image signature feature to the state-of-the-art malware detection system JARV1S. These Image signatures are what allow JARV1S to **quickly query its database of millions of malware samples** for similar software.

Summer Researcher, The Lunenfeld-Tanenbaum Research Institute Toronto
Apr 2019 – Aug 2019

Selected Employment Experience: I designed a php enabled website for storing information on the hundreds of thousands of tubes stored in the labs freezer system. **This website allows lab technicians to change information about stored tubes without needing the assistance of an engineer.**

Software Engineer Intern, Vouchr Toronto
May 2018 – Aug 2018

Laborer, J.F. Brennan Custom Homes Toronto
Apr 2017 – Aug 2017

Back of House Assistant, Sant & Pepper Catering Co.
Toronto
Jul 2016 – Aug 2016