Curriculum Vitæ

Sierra Wyllie

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Personal Information

Citizenship:

Canadian and American

Contact:

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Education

2020 - 2025	University of Toronto, Engineering Science (BASc)
2018 - 2020	Western Kentucky University, Gatton Academy (HS Diploma)
2016 - 2020	Henry Clay High School (HS Diploma)

Professional Experience

May 2021 - Present	Research Intern
	CleverHans Lab University of Toronto, Toronto, ON
June - August 2020	Electrical Engineering Intern
	Space Tango, Lexington, KY
May - August 2019	Undergraduate Researcher
	Computer Science, Western Kentucky University, Bowling Green, KY

Professional Recognition

2020 National Honorable Mention for Aspirations in Computing
National Center for Women in Information Technology
2019 First Place Undergraduate Poster
Association for Computing Machinery Mid-Southeast Conference

Publications

[1] A. White, P. O'Boyle, S. Wyllie, and M. Galloway, "The impact of ddos attacks on application containers, system containers, and virtual machines," in *17th International Conference on Information Technology–New Generations (ITNG 2020)*, S. Latifi, Ed. Cham: Springer International Publishing, 2020, pp. 153–161.

Grants

ESROP Grant

$6000 CAD from May 2021-August 2021 from Engineering Science at the University of Toronto to support research in fairness for machine learning. Work was mentored by Prof. Papernot at the CleverHans trustworthy ML research lab.

Faculty Undergraduate Student Engagement Grant

$3000 from May 2019 - August 2019 from the Western Kentucky University for travel and project-related expenses. The grant was for studying machine learning approaches to network intrusion detection in unmanned aerial vehicle security.

Research Internship Grant

$1500 from May 2019 - August 2019 from the Gatton Academy for housing and project-related expenses. The grant was for studying machine learning approaches to network intrusion detection in unmanned aerial vehicle security.

Conference Addresses

2020   Posters-at-the-Capitol (Frankfort, KY)
Poster: Multiclass Network Intrusion Detection In Drones Using Machine Learning

2020   Western Kentucky University Student Research Conference
Presentation: Multiclass Network Intrusion Detection In Drones Using Machine Learning

2019   Western Kentucky University Student Research Conference
Poster: Meta-Heuristic Approaches to Dynamic Load Balancing

2019   Western Kentucky University Mathematics Symposium
Presentation: Network Intrusion Detection In Drones Using Machine Learning

2019   ACM Mid-Southeast Conference
Poster: Binary Network Intrusion Detection In Drones Using Machine Learning