Shannon Veitch

ssveitch@uwaterloo.ca

Education

University of Waterloo MMath, Computer Science *2020 – present*
Cryptography, Security, and Privacy Lab. Advisor: Doug Stinson.

University of Waterloo BMath, Combinatorics and Optimization *2016 – 2020*

Publications

1. C. J. Colbourn, D. R. Stinson, and S. Veitch. Constructions of optimal orthogonal arrays with repeated rows. *Discrete Mathematics* **342** (2019), 2455-2466.

2. D. Kreher, D. R. Stinson, and S. Veitch. Block-avoiding point sequencings of directed triple systems. *Discrete Mathematics* **343** (2020), 111773.

3. D. Kreher, D. R. Stinson, and S. Veitch. Block-avoiding point sequencings of Mendelsohn triple systems. *Discrete Mathematics* **343** (2020), 111799.

4. D. R. Stinson and S. Veitch. Block-avoiding point sequencings of arbitrary length in Steiner triple systems. *Australasian Journal of Combinatorics* **77** (2020), 87-99.

Preprints

5. N. Bindel, D. Stebila, and S. Veitch. Improved attacks against key reuse in learning with errors key exchange. *To appear at LatinCrypt 2021.*

6. T. Humphries, R. A. Mahdavi, S. Veitch, and F. Kerschbaum. Selective MPC: Distributed Computation of Differentially Private Key Value Statistics. 2021.

Technical Reports

7. D. Kreher, D. R. Stinson, and S. Veitch. Good sequencings for small directed triple systems. 305 pages. July 2019.

8. D. Kreher, D. R. Stinson, and S. Veitch. Good sequencings for small Mendelsohn triple systems. 121 pages. September 2019.

Talks

Women in Tech, Cybersecurity and Privacy Institute Speaker Series *2020*
Panel with Jennifer Whitson, Bonnie Butlin, and Cat Coode

Introduction to Computer Networks, UW Capture the Flag (CTF) Club *2017*
Workshop Presenter

Service

Organizing Committee
IEEE ISTAS 2021 (Fundraising & Sponsorship)
StarCon 2019 (Speakers Team)

External Reviewer
ACISP 2021

Employment History

ISARA Corporation Security Developer, Intern	*Jan. – Apr. 2019*
Cisco Systems Software Developer, Intern	*May – Aug. 2018*

Teaching Assistantships

CS458/658 Computer Security and Privacy University of Waterloo	*Spring 2021*
CS458/658 Computer Security and Privacy University of Waterloo	*Winter 2021*
CS135 Designing Functional Programs University of Waterloo	*Fall 2020*
MATH135 Algebra for Honours Mathematics University of Waterloo	*Winter 2018*
MATH135 Algebra for Honours Mathematics University of Waterloo	*Fall 2017*

Awards

Ontario Graduate Scholarship (OGS)	*2021*
David R. Cheriton Graduate Scholarship University of Waterloo	*2020 – 2021*
President's Graduate Scholarship University of Waterloo	*2020 – 2021*
Cybersecurity and Privacy Excellence Graduate Scholarship CPI	*2020*
NSERC Alexander Graham Bell Canada Graduate Scholarship (CGS-M)	*2020*
CRA Outstanding Undergraduate Researcher Award (Honorable Mention)	*2020*
NSERC Undergraduate Student Research Award	*2020*
President's Research Award University of Waterloo	*2020*
NSERC Experience Award	*2019*
President's Research Award University of Waterloo	*2019*
President's Scholarship of Distinction University of Waterloo	*2017*