

CURRICULUM VITAE

Yakov Shklarov

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Citizenship: Canada

Education

2021–present **MSc Mathematics**, University of Victoria, supervised by
Anthony Quas and Gourab Ray

2017–2021 **BSc Honours in Mathematics and Statistics**, University of Victoria

Awards

2022 Spring **NSERC CGS-M Scholarship**

2022 Spring **University of Victoria Graduate Award**

2021 Fall **British Columbia Graduate Scholarship**

2021 Spring **University of Victoria Jubilee Medal for Science**
For achieving the highest academic standing in the graduating class

2021 Spring **University of Victoria Faculty of Science Dean’s List for Graduating
Students**

2019 Summer **NSERC Undergraduate Student Research Award (USRA)**
Research topic: Dynamical systems and Hecke algebras
Supervised by Christopher Bose and Marcelo Laca, University of Victoria

2018 Summer **NSERC Undergraduate Student Research Award (USRA)**
Research topic: Algebraic bounds for block designs
Supervised by Peter Dukes, University of Victoria

Summer Schools

2019 June **Houston Summer School on Dynamical Systems**
University of Houston

Research Interests

Dynamical systems, ergodic theory, statistical physics, algorithmic information theory

Teaching Experience

2022 Spring	Tutorial leader , Math 101, Calculus II, University of Victoria
2018–2020	Tutor , Math and Statistics Assistance Centre, University of Victoria Helped students one-on-one with lower- and upper-division material.
2019 Fall	Teaching assistant , Math 312, Abstract Algebra I, University of Victoria Graded homework assignments and provided advice and feedback.
2015–2018	Private tutor for high school and undergraduate mathematics Worked closely with students to help them understand concepts and succeed in their courses.

Other employment

2019 Summer	Undergraduate research assistant , University of Victoria
2018 Summer	Undergraduate research assistant , University of Victoria
2011–2017	Computer technician , self-employed

Other Education and Skills

In addition to my formal education in mathematics, I've studied several topics independently. In particular, I have completed non-credit online courses on convex optimization (Stanford OpenEdx), machine learning (Coursera), and financial markets (Coursera).

Outreach, community and volunteer activities

2018–2021	Students in Undergraduate Mathematics & Statistics course union University of Victoria Took an active role in promoting student engagement, including in-person outreach and setting up an online community.
2014–2020	Amateur software developer Created a number of small simulations and graphical demonstration programs, available at https://github.com/yshklarov . Helped fix bugs in popular open source software (namely, AnkiDroid and Chia cryptocurrency network client). Familiar with multiple programming paradigms and numerous languages.

Languages

I can also speak and read Russian.