# CURRICULUM VITAE


# Maksym Neyra-Nesterenko

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## EDUCATION

**M.Sc., Applied Mathematics** — Sep 2020-now
Simon Fraser University

- Committee: *Ben Adcock (supervisor), Nilima Nigam*

**B.Sc., Mathematics Honours** — Sep 2014-Apr 2020
Simon Fraser University

- Minor in *Computing Science*
- Thesis title: Diversities, Cluster Analysis, and Ultrametric Embeddings
- Committee: *Paul Tupper (supervisor), Jonathan Jedwab*

## RESEARCH EXPERIENCE

**Undergraduate Research Assistant**
Department of Mathematics, Simon Fraser University

- Supervised by *Paul Tupper*, NSERC USRA project — May-Aug 2017
- Presented in the Math Symposium 2017 poster competition
- Supervised by *Karen Yeats*, VPR USRA project — May-Aug 2016
- Presented in the Math Symposium 2016 poster competition

## WORK EXPERIENCE

**Data scientist** — Oct 2019-Aug 2020
Statistics Canada — Jan-Apr 2019, May-Aug 2018

- Designed and implemented OpenTabulate, a data processing pipeline and command line interface
- Assembled datasets for Canadian health and education facility microdata

## CONTRIBUTED TALKS

**Provably Accurate, Stable and Efficient Deep Neural Networks for Compressive Imaging**

- Online International Conference on Computational Harmonic Analysis — Sep 2021
- CAIMS Annual Meeting — Jun 2021
- Ottawa Mathematics Conference — May 2021

## AWARDS

**NSERC Canada Graduate Scholarships Master's** Jan-Dec 2021

Value: $17500, received from NSERC by application

**BC Graduate Scholarship** Sep 2020-Aug 2021

Value: $15000, received from SFU by nomination

**NSERC Undergraduate Student Research Award** May-Aug 2017

Value: $4500, received from NSERC by application

**VPR – Undergraduate Student Research Award** May-Aug 2016

Value: $4500, received from SFU by application

## WORKSHOPS and DEVELOPMENT

**PIMS Math to power Industry workshop** Aug 2021
University of Calgary

- MITACS courses in communication and team building
- Project with Serious Labs for developing real-time simulation for hydraulic systems with presentation and report

## TEACHING and MENTORSHIP

**Teaching assistant**
Department of Mathematics, Simon Fraser University

- Vector calculus, Applied Calculus workshop Jan-Apr 2021
- Algebra workshop Sep-Dec 2020
- Applied Calculus workshop Sep-Dec 2018, Jan-Apr 2018

**Mathematics tutor – SFU Science & Math Peer Tutoring** Jan-Apr 2016
Faculty of Science, Simon Fraser University

**Mathematics tutor – Math4me Learning Inc.** Apr-Nov 2015

## TECHNICAL SKILLS

- Linux and Windows
- Python, Bash, LaTeX, MATLAB
- Python modules for data and numerical analysis, web scraping and machine learning

## MEMBERSHIPS

**Canadian Applied and Industrial Mathematics Society (CAIMS)** Jan 2021-now

**Society for Industrial and Applied Mathematics (SIAM)** Jan 2021-now