

Andrew M. Rose

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EDUCATION

Bachelor of Education

2019

Intermediate/Secondary - Mathematics and Science (Physics), Faculty of Education
Memorial University, St. John's, NL

Master of Science

2019

Mathematics, Faculty of Science and School of Graduate Studies
Memorial University, St. John's, NL

Thesis: Constructing Static Black-Soliton Spacetimes

Thesis Supervisor: Dr. Hari Kunduri

Bachelor of Science, Honours

2015

Applied Mathematics and Physics, Faculty of Science
Memorial University, St. John's, NL

Thesis: Adaptive Mesh Methods and a Schwarz Algorithm Implementation of a Smoothed Mesh Generating Function

Thesis Supervisor: Dr. Ronald Haynes

EMPLOYMENT HISTORY

Health Information Specialist, Health PEI

Aug 2021 - Present

- Responsible for developing backend code for various projects related to the day-to-day functioning and analytics of Health PEI.
- Experience working with various coding languages such as R and SQL, as well as associated software such as RStudio and DBeaver.

Instructor - CAS Transfer Program, College of the North Atlantic, Carbonear Campus

Aug 2019 - Aug 2021

- Sole instructor for transfer year courses in Algebra and Trigonometry, Finite Mathematics, and Calculus.
- Responsible for design and administration of evaluation as well as delivery of instruction and content.
- Selected to develop teaching modules and resources for online instruction.

PROFESSIONAL DEVELOPMENT & CERTIFICATIONS

Post-Secondary Instructors Certificate, Newfoundland and Labrador

2021

- Certified Post-Secondary Instructor in Newfoundland and Labrador.

(Interim) Secondary Teaching Certificate VII, Newfoundland and Labrador

2019

- Licensed to teach at the Intermediate/Secondary levels across Newfoundland and Labrador.

Teaching Skills Enhancement Program (TSEP), Memorial University

2018

- Participated in discussions surrounding the unique challenges faced by different disciplines and learning styles
- Prepared and delivered lectures for an introductory level undergraduate course in mathematics under the supervision of a faculty member

Graduate Program in Mathematics and Statistics Teaching, Memorial University

2018

- Attended various seminars on the role and responsibilities of a post-secondary educator
- Delivered lectures on an introductory topic in the mathematical sciences

PUBLICATIONS

Jahrul Alam, Raymond Walsh, Alamgir Hossain, **Andrew Rose** "A computational methodology for two-dimensional fluid flows," in *International Journal for Numerical Methods in Fluids*. 2014

SKILLS & COMPETENCIES

Programming: C, C++, FORTRAN, Java, JavaScript, \LaTeX , Mathematica, Markdown, MATLAB, Python, R, SQL

Operating Systems: Linux, Microsoft Windows, OSX

Excellent written and verbal communication skills

INVITED LECTURES & CONFERENCES

“Adaptive Mesh Methods and a Smoothed Schwarz Algorithm Implementation,” Summer Undergraduate Research Forum <i>Memorial University</i>	Sept 22 2014
“Numerical Simulation of Two-Dimensional Fluid Flow,” Summer Undergraduate Research Forum <i>Memorial University</i>	Sept 16 2013

COMMITTEES, GROUPS, ORGANIZATIONS & VOLUNTEERING

Faculty Representative , Campus Scholarship Committee <i>College of the North Atlantic, Carbonear, NL</i>	2019 - 2021
Student Representative , Faculty of Education Admissions Committee <i>Memorial University, St. John’s, NL</i>	2018 - 2019
Dog Walker , Animal Care & Services <i>SPCA St. John’s, St. John’s, NL</i>	2016 - 2017
Student Representative , Science Society <i>Memorial University, St. John’s, NL</i>	2014 - 2015
Secretary , Physics and Physical Oceanography Student Society <i>Memorial University, St. John’s, NL</i>	2014 - 2015
Representative , Physics and Physical Oceanography Student Society <i>Memorial University, St. John’s, NL</i>	2013 - 2014
Junior/Senior VP Academic , Engineering Society ‘A’ <i>Memorial University, St. John’s, NL</i>	2010 - 2011
Student Representative , Engineering Committee for Undergraduate Studies <i>Memorial University, St. John’s, NL</i>	2010 - 2011
Student Representative , Engineering Academic Integrity Committee <i>Memorial University, St. John’s, NL</i>	2010 - 2011

AWARDS & HONOURS

Recognition of Excellence <i>Memorial University, St. John’s, NL</i>	2018
Dean’s Excellence Award , \$5,000 <i>Memorial University, St. John’s, NL</i>	2017
NSERC Canadian Graduate Scholarship - Master’s (CGS-M) , \$17,500 <i>Memorial University, St. John’s, NL</i>	2017
Science Undergraduate Research Award (SURA) <i>Memorial University, St. John’s, NL</i>	2013, 2014, 2015
Dean’s List <i>Memorial University, St. John’s, NL</i>	2013, 2014, 2015
Queen Elizabeth II Graduate Scholarship in Science and Technology , \$15,000 - Declined <i>University of Waterloo, Waterloo, ON</i>	2015
The Harvey and Doris Murcell Scholarship , \$1,000 <i>Memorial University, St. John’s, NL</i>	2014

REFERENCES

Available Upon Request