

JULIA LYNN CLAIRE TUFTS

Email: juliatufts@gmail.com

GitHub: github.com/juliatufts

Education:

May 2014

Dalhousie University
Bachelor of Science Combined Honours degree,
Mathematics and Music
GPA: 4.17

Work Experience:

September 2013 – June 2014

Instructor - NS Math Circles
Travelled to high schools and middle schools across NS to give fun and interactive presentations on a variety of math topics

May 2013 – June 2014

Teaching Assistant - Dalhousie Mathematics and Statistics Department
Prepared and gave one hour tutorials for first year calculus (Math 1000, Fall 2013). Marked for various courses including linear algebra and intermediate calculus

May 2012 – August 2012

Research Assistant - Dalhousie Mathematics and Statistics Department
Performed research in graph theory with Dr. Jason I. Brown as a recipient of an NSERC Undergraduate Student Research Award, culminating in a paper published by the journal Graphs and Combinatorics

Programming Experience:

120 hours

Java
Worked on small projects and studied the principles of object oriented programming as part of Computer Science I & II at Dalhousie

50 hours

Unity & C#
Participated in Halifax Game Jam 2013, coding for the game Heritage Quest. Recently started developing an educational math game as an independent project

45 hours

Maple

Developed tools and algorithms to investigate graph theory problems in my NSERC research, as well as my honours thesis

40 hours

Python

Independently learned the fundamentals of programming in Python, and made a few small games and demos using Pygame

Academic Awards (selected):

Dalhousie University

Ralph and Frances Lewis Jeffery Scholarship in Mathematics

Graduating class prize for highest academic achievement during first three years of the honours program

William Tritt Recital Prize

Awarded to the piano student who has demonstrated the highest level of performance on his/her third year or graduation recital

James & Abbie Campbell Prize

Graduating class prize awarded for outstanding achievement in music

Faculty of Science Dean's List (2010-2014)

Renewable Scholarship - \$16 000 (2010-2013)

Music Awards and Distinctions:

May 2013

Participant of the Scotia Festival of Music Young Artist Program and recipient of the William Tritt/Scotia Festival Memorial Prize

September 2012 – April 2013

2012 Nova Scotia Youth Orchestra concerto competition winner. Performed Beethoven piano concerto no.3 in two concerts in April, 2013

February 2012, February 2013

Two time featured soloist in Dalhousie University's Concerto Night

References:

Dr. Jason I. Brown (902-494-7063)

Professor of Mathematics,
Dalhousie University, Halifax

Danielle Cox (902-494-7036)

NS Math Circles Program Director & PhD
Dalhousie University, Halifax