

Ksenia Kolosova

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EDUCATION

McGill University, Montreal, QC, Canada

B.Sc. in Quantitative Biology, expected 05/2017.

Current GPA: 3.56

Sep 2013 – Present

Lynbrook High School, San Jose, CA, USA

High School Diploma (GPA: 3.73)

Sep 2009 – June 2013

THEORETICAL AND PRACTICAL UNIVERSITY COURSES

Biology

Molecular Biology, Cell Biology & Metabolism, Basic Genetics, Intro to Ecology and Evolution, Mathematical Models in Biology, Developmental Biology

Chemistry

General Chemistry 1 with lab, General Chemistry 2 with lab, Organic Chemistry 1 with lab

Mathematics

Calculus 3, Ordinary Differential Equations, Linear Algebra, Probability

Computer Science

Foundations of Programming

Physics

Mechanics and Waves with lab, Electromagnetism and Optics with lab, Introduction to Biophysics

Geography

Intro GIS with lab, Environmental Systems

OTHER SKILLS

Foreign Languages

- Fluency in Russian
- Proficiency in French

Computer Abilities

- Proficiency in Microsoft Office suite (Word, Excel, PowerPoint)
- Classroom experience in ArcGIS, AutoCAD, Java, MATLAB

PRACTICAL EXPERIENCE

Homework Zone, Verdun Elementary School, Verdun, QC

Volunteer Tutor for after-school program

Sep 2014 – Dec 2014

- Worked with 2nd grade students on schoolwork in English and French, and facilitated activities

Field Notes: McGill Geography Undergraduate Research Journal, McGill University

Undergraduate Editorial Team

March 2014 Publication

- Editing undergraduate research papers, working with the authors and graduate editors

Sempervirens Outdoor School, Boulder Creek, CA

Science Camp Counselor

March 2012 and 2013 (one week)

- Supervised children on 24 hour basis
- Aided group leaders in teaching youth (age 10-11) about environmental issues and conservation

Peer Tutoring

Tutor various school subjects for 9th, 10th, 11th grade students

Sep 2011 – May 2013

- French I, Algebra II and Trigonometry, Pre-Calculus

CNR-Pisa supervised by Dr. F. Dinelli

Research assistant, short-term

July 2012 – August 2012 (two weeks)

- Imaging of amyloid fibers using Atomic Force Microscopy
- Results presented in the poster “Nanoscale dynamics of Amyloid- β in air and liquid environments using Atomic Force Microscopy” at the 4th Multifrequency AFM conference, Madrid, SPAIN

University of Lancaster, Physics Department

Summer student, short-term

July 2011 (one week)

- Atomic Force Microscopy imaging of graphene flakes.

HONORS

James McGill Scholarship (2013)

McGill University, Montreal, Canada

USA National Merit Finalist (2013)

Lynbrook High School, CA,, USA

EXTRACURRICULAR ACTIVITIES

Flute at McGill University

Oct 2013 – Present

- Performed with McGill Symphonic Band Club and Classical Music Club
- Student volunteer with New Horizons Community Band