

# Eric Koehli

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## Education

### University of Toronto

Honours Bachelor of Science (H.B.Sc.)

- > Major: Computer Science
- > Speciality: Computer Graphics

2017 – 2021  
Toronto, CA

### Lakehead University

Honours Bachelor of Science (H.B.Sc.)

- > Major: Psychology & Biology

2012 – 2017  
Orillia, ON

## Experience

### The Fields Institute For Research In Mathematical Sciences

Research Assistant

July 2019 – Sept. 2019  
Toronto, CA

- > Researched topics in Knot Theory including the Alexander-Conway, Bracket, Jones, and Homfly polynomials
- > Presented knowledge and work assignments to supervising professor, Maria Grazia Viola (PhD)

### The Fields Institute For Research In Mathematical Sciences

Research Assistant

May 2017 – Sept. 2017  
Toronto, CA

- > Studied topics in Wavelets and Fourier Analysis
- > Met weekly with supervising professor Dr. Viola and presented knowledge during informal lectures on the blackboard

### Tutor Doctor Simcoe County

Math & Physics Tutor

May 2017 – Sept. 2017  
Orillia, ON

- > Planned math and physics lessons for students on a range of different topics that the students found challenging
- > Outlined general steps in the problem-solving process that helped students find the solution to certain problems
- > When possible, found ways to communicate problems in a physical or geometric sense to help build intuition

### Orillia Parks, Recreation and Culture

Tennis Instructor

Summers 2008 – 2016  
Orillia, ON

- > Taught groups of all ages from children to adults the skills required to play tennis
- > Demonstrated technical aspects to correct errors and helped improve gameplay

### Lakehead University

Science Tutor

Feb. 2016 - May 2016  
Orillia, ON

- > Helped students at a drop-in tutoring centre
- > Assisted students by improving their learning strategies and promoted independent learning
- > Rephrased and related concepts in a more digestible manner impromptu

## Skills

**Knowledge** Programming, Data Structures, Algorithms, Mathematics, Simulations, Research, Artificial Intelligence

**Tools & Technologies** C/C++, Python, Javascript, Java, L<sup>A</sup>T<sub>E</sub>X, Git, React.js, SciPy, Pandas, scikit-learn, PyTorch

**Interpersonal Skills** Teamwork, Hard working, Problem solving, Organization