Kasra Koushan

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ACADEMICS

University of Toronto, Applied Mathematics (2014-2018)

- University of Toronto Scholar (top 100 in class); CGPA: 4.00/4.00
- AP National Scholar (Canada)
- Past coursework: Introductory Physics, Linear Algebra I, Algebra II, Calculus (with proofs), Introductory Computer Science
- Current Coursework: Statistics I, Statistics II, Multivariable Calculus (with proofs), Software Design

SKILLS

Python (experience in numerical integration, optimization, Monte Carlo methods, multidimensional interpolation)

LaTeX, HTML, CSS, MATLAB, Excel

EXPERIENCE

Astrophysics, McGill University   **May - August 2015**

Research assistant on 16-week NSERC Summer Undergraduate Research Award. Assisted Dr. Andrew Cumming in producing models of exoplanets to constrain values for core fraction, envelope entropy and envelope mass given mass and radius measurements.

Cognitive Neuroscience, University of Toronto   **September 2015 - April 2016**

Participating in research project with Dr. Chris Honey on developing models of temporal information integration and comparing those models to human learning behaviour.

The Victoria College Strand   **September 2014 - Present**

Web Editor, Writer (Opinions), for the official student newspaper of Victoria College. Have also assisted with copy editing and design.

University of Toronto Robotics Association   **February 2015 - Present**

Member of Beirut Autonomous Robot team. Involved with producing and applying optical content recognition algorithms using Python.

University of Toronto Philosophy Congress   **February 2015 - Present**

Head of Public Relations, Web Editor, founding member. Organize various events throughout the year to promote philosophical discussion and thinking among students of all backgrounds.

The Reckoner of Marc Garneau CI   **September 2011 - June 2014**

Editor in chief, founding member of official student newspaper of Marc Garneau Collegiate Institute. Managed a staff of seventy, publishing online and circulating 2000 copies in print monthly.