ALEX HEYMAN (they/them)

Legal name: Andrew Heyman
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Undergraduate student at University of Toronto

Education

University of Toronto (U of T)
2017-present
Faculty of Arts & Science
Specialist in Computer Science with Focus in AI, Major in Cognitive Science, Minor in Philosophy
Innis College
President's Scholar of Excellence
Innis College Exceptional Achievement Award (2019)
Innis College Alumni Association Scholarship (2020)
Cumulative GPA: 3.91 out of 4.00

University of Chicago Laboratory Schools (UCLS)
9th through 12th grade, 2013-2017
National Merit Finalist
Cumulative GPA: 3.967 out of 4.000

Skills

General computer programming
- 8+ years of experience
- High familiarity with Java, Python
- Moderate familiarity with C, Lua, JavaScript
- Some familiarity with C++

Machine learning
- U of T CSC311
- Experience with TensorFlow and scikit-learn

Video game design and programming
- 10+ years of amateur experience

Web design, including use of HTML, CSS, and JavaScript

Mathematics up through linear algebra (U of T MAT223 & MAT224)
and multivariable calculus (U of T MAT237)

Symbolic logic (University of Chicago PHIL20100, U of T CSC240)

Selected projects

Cell2D – Java 2D game development library
Website: http://www.cell2d.org/
Began 12th grade, development ongoing

Population-based training of neural networks for TensorFlow (research with Prof. Jimmy Ba)
Link: https://github.com/AlexHeyman/PopulationBasedTraining
University 2nd year

Echo – short puzzle-platforming video game made in 38 hours
Website: http://alexheyman.itch.io/echo
University 1st year

Activities

Undergraduate Fellow at the U of T Centre for Ethics – University 4th year

Politics section editor at the UC Gargoyle student newspaper – University 4th year

Office hour holder at the U of T Cognitive Science and Artificial Intelligence Students' Association – University 2nd year onwards

Member of the U of T Ethics Club – University 2nd year onwards

Member of the U of T Machine Intelligence Student Team – University 1st year