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Curriculum Vitae

Education

Sep. 2019–Present, University of Toronto, Canada
A&S Bachelor's Degree Program in Computer Science Specialist,
Artificial Intelligence Focus and Mathematics Minor
- Dean's List Scholar (2020-2021)
- Cumulative GPA 3.89/4.00

Sep. 2018–Apr. 2019, University of Ottawa, Canada
Honours Bachelor of Science in Computer Science
- Merit Scholarship (international student) $1000
- Dean's Honour List (2019)
- Cumulative GPA 9.4/10

Experience

May. 2021–Present, IAI Lab at University of Toronto, Canada
Research Assistant
- Advised by Prof. Joseph Jay Williams.
- Involved in TenQ data analysis project and Metaskills emails project.

Skills

Machine learning
- Familiar with libraries and frame works including NumPy, PyTorch and matplotlib.
- Familiar with most of the state-of-the-art deep learning models.

Artificial Intelligence
- Fundamental knowledge uniform search, heuristic search, game tree search (minimax, alpha-beta pruning and Monte Carlo Tree Search)

Probability and statistics
- Familiar with statistical inequalities and able to use confidence intervals and statistical tests to analyse data.

Mathematics and Optimization
- Fundamental data management, linear algebra, calculus, ordinary differential equation and discrete math for computing.
- Nonlinear convex optimization including finite dimensional optimization, gradient descent-based solution search and calculus of variations.

Programming Skills
Programming Languages
- Familiar with Python, C, Java, JavaScript and R
Web Programming
- Designed and implemented a handcraft sharing platform Share My Craft with Express backend and Mongodb data base.
- Designed and programmed a javascript library which helps deploy the user interface of web applications.