

Konstantinos Christopher Tsiolis

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PROFILE

I am an undergraduate student with a strong mathematics, computer science, and machine learning background, both in the classroom and research settings.

EDUCATION

McGill University

Bachelor of Science in Honours Mathematics and Computer Science

Montreal, QC

Sep. 2018 – Dec. 2021

RESEARCH EXPERIENCE

Research Assistant

Mila / McGill University Department of Mathematics and Statistics

Summer 2021

Montreal, QC

- Supervisor: Professor Adam Oberman
- Work on representation learning for computer vision

Research Assistant

Mila / McGill Reasoning and Learning Lab

Summer 2019 and 2020

Montreal, QC

- Supervisor: Professor Jackie Chi Kit Cheung (Mila / McGill University)
- Natural language processing research on word embeddings and computational pragmatics
- Contributed to the development of novel word embedding and word meta-embedding methods
- Co-first author of a paper accepted at COLING 2020

PROJECTS AND EXTRACURRICULAR ACTIVITIES

Academic Lecturer at the McGill Artificial Intelligence Society

Mar 2020 – Apr 2021

- Giving lectures and writing a textbook for a student-run machine learning course
- Processing applications and conducting interviews for the course
- Holding office hours and one-on-one meetings with students

MathBuddy

Nov. 2017 – May 2018

- Pitch for an “AI math tutor” that can recognize handwritten solutions and identify mistakes
- Project pitch won 1st place at Vanier College’s LaunchBox innovation competition

Hackathons

- 1st place at hack_mcwics (2020), 4th place at the McGill Physics Hackathon (2017)
- Participant at MariHacks (2018), Hackathon UdeM (2018), ConcordAI (2019), ImplementAI (2019)

PUBLICATIONS

Jingyi He, KC Tsiolis, Kian Kenyon-Dean, and Jackie Chi Kit Cheung. 2020. Learning Efficient Task-Specific Meta-Embeddings with Word Prisms. *Proceedings of the 28th International Conference on Computational Linguistics*, pages 1229-1241.

AWARDS

IVADO Undergraduate Introduction to Research Scholarship

May 2021 – Aug. 2021

- Funding awarded to undergraduate students pursuing summer research in data science

Anne Molson Scholarship

Aug. 2020

- Awarded to McGill students in the Physical Sciences prior to their final year

Emily Ross Crawford Scholarship

Aug. 2020

- Awarded to McGill students in the Faculty of Science based on academic achievement in the first two years

NSERC Undergraduate Student Research Award

May 2020 – Aug. 2020

- Funding awarded to undergraduate students pursuing summer research in natural sciences or engineering

John Mahon Scholarship

Aug. 2018 – Present

- Annually renewable entrance scholarship at McGill University

TECHNICAL SKILLS

Programming Languages: Python, Java, Bash, C, MATLAB, JavaScript, OCaml

Libraries: PyTorch, Tensorflow, NumPy, scikit-learn, pandas, Matplotlib