

Paul Janson

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EDUCATION

- **Concordia University** Montreal, Canada
Doctor of Philosophy - Computer Science - Advisor: Dr Eugene Belilovsky *May 2024 - Present*
 - **Current GPA 4.3/4.3**
- **Concordia University** Montreal, Canada
Master of Computer Science *Sep 2023 - May 2024*
 - **GPA 4.3/4.3** : Fast tracked to PhD
- **University of Moratuwa** Moratuwa, Sri Lanka
Bachelor of Science in Computer Science and Engineering *Nov 2018 - Jun 2023*
 - **GPA 3.95/4.2** First Class

RESEARCH EXPERIENCE

- **King Abdullah University of Science and Technology** Remote
Research Intern - Advisors: Dr.Mohamed Elhoseiny , Dr Rahaf Aljundi *Jan 2022 - Sep 2023*
 - **Conducted research on continual and zero-shot learning, contributing to novel methods that address forgetting and out-of-domain generalization in foundation models** Co-authored four papers accepted at CVPR, ICCV, and NeurIPS conference and workshops, involving algorithm development, model training, and empirical evaluation.

PUBLICATIONS

- **Beyond Cosine Decay: On the effectiveness of Infinite Learning Rate Schedule for Continual Pre-training**
CoLLAs 2025 Main Conference (oral) (view)
Paul Janson, Vaibhav Singh, Paria Mehrbod, Adam Ibrahim, Irina Rish, Eugene Belilovsky, Benjamin Thérien
- **PyLO: Towards Accessible Learned Optimizers in PyTorch**
ICML 2025 Workshop on Championing Open-source Development in Machine Learning (view)
Paul Janson, Benjamin Therien, Quentin Anthony, Xiaolong Huang, Abhinav Moudgil, Eugene Belilovsky
- **Towards motion from video diffusion models**
ECCV 2024 Workshop on Foundation Models for 3D Humans (archival track) (view)
Paul Janson, Tiberiu Popa, Eugene Belilovsky
- **Overcoming General Knowledge Loss with Selective Parameter Finetuning**
CVPR 2024 Main Conference (view)
Wenxuan Zhang, **Paul Janson** , Rahaf Aljundi, Mohamed Elhoseiny
- **Continual zero-shot learning through semantically guided generative random walk**
ICCV 2023 Main Conference (view)
Wenxuan Zhang, **Paul Janson**, Divyansh Jha, Kai Yi, Ivan Skorodov, Mohamed Elhoseiny
- **Domain aware continual zero-shot learning**
ICCV 2023 Workshop on Out of domain generalization in Computer Vision (view)
Kai Yi, **Paul Janson**, Wenxuan Zhang, Mohamed Elhoseiny

- **A simple baseline that questions the use of pre-trained models in continual learning**
NeurIPS 2022 Workshop on Distribution Shifts ([view](#))
Paul Janson, Wenxuan Zhang, Rahaf Aljundi, Mohamed Elhoseiny

TEACHING EXPERIENCE

- **Concordia University** Montreal, Canada
Teaching Assistant *Jan 2024 - Present*
 - **Computer Graphics, Applied Machine learning**
- **University of Moratuwa** Moratuwa, Sri Lanka
Teaching Assistant *Aug 2022 - Jul 2023*
 - **Theory of Computing, Introduction to AI**

SCHOLARSHIPS AND AWARDS

- **Concordia International Tuition Award of Excellence (47,463 CAD)** 2024-2028
- **Concordia Graduate Split Award (28000 CAD)** 2023-2024
- **Concordia Merit Scholarship (5000 CAD)** 2023-2024
- **Appeared in Dean's honors list for 7 semesters** 2018-2022
- **Mahapola Merit Scholarship for Undergraduate education (1000 CAD)** 2018-2022
- **Bank of Ceylon Nanajaya Scholarship (200 CAD)** 2018-2022
- **POH Scholarship by Zagro Asia Limited, Singapore (2500 CAD)** 2018-2022
- **Governors Award for best performance in GCE AL (3rd in the country)** 2017

VOLUNTEERING AND PROFESSIONAL SERVICE

- **Reviewer for Conference** CVPR, ECCV, ICCV, CoLLAs, PG
- **Reviewer for Journal** CVIU, TVCG
- **Mentor at ScholarX by Sustainable Education Foundation** 2024
- **Student representative for CSE department** 2019-2020
- **Volunteer at Yarl IT hub non profit organization** 2018-2023

SKILLS AND STANDARDIZED TESTS

- **Programming Languages:** Python, Javascript, Java, C++
- **Deep/Machine learning tools:** Pytorch, Jax, CUDA
- **General computing:** UNIX , SLURM