

Contact Information	<p><u>Affiliation:</u></p> <p>GEODES, Software Engineering Research Lab Département d'Informatique et de Recherche Opérationnelle (DIRO) University of Montreal</p> <p><i>E-mail:</i> martin.weyssow@umontreal.ca <i>Web:</i> martin-wey.github.io</p>
Research Interests	Deep learning for code, multimodal learning, continual learning, large language models, and recommender systems.
Education	<p>University of Montreal</p> <p>Ph.D., Computer Science Fall 2020 - present Thesis topic: Multimodal and continual learning for code Advisor: Prof. Houari Sahraoui</p> <p>Research Internship Fall 2019 - Fall 2020 Advisor: Prof. Houari Sahraoui</p> <p>University of Namur, Belgium</p> <p>MSc., Computer Science and Data Science 2018 - 2020 Thesis advisor: Prof. Houari Sahraoui Grade: 19/20 (<i>highest grade</i>)</p> <p>BSc., Computer Science, Minors Mathematics 2015 - 2018</p>
Scholarships	<p>FRQ Merit Scholarship for Foreign Students (PBEEE) 2022 - 2024 Scholarship for Excellence, DIRO 2021 Google Scholarship for Excellence, DIRO 2021 Scholarship for Excellence, DIRO 2020 Research Scholarship, Mitacs Globalink Canada Spring 2020</p>
Community Services	<p>IEEE/ACM ASE Conference – <i>Reviewer</i> 2022 ICLR 2022, DL4C Workshop – <i>Program Committee</i> 2022 SOSYM Journal AI-MDE Theme Issue – <i>Reviewer</i> 2021 IEEE SANER Conference – <i>Reviewer</i> 2021 ACM/IEEE MODELS Conference – <i>Student Volunteer</i> 2020 IEEE Transactions on Software Engineering – <i>Reviewer</i> 2020 Data & Models Workshop – <i>Participant</i> 2020 Participant of a workshop about the role of artificial intelligence in model-driven</p>

engineering organized at McGill's Bellairs Research Institute.
(<http://www.bellairs2020.ece.mcgill.ca/index.htm>)

Teaching	University of Namur	
	INFOB318 - Individual bachelor project, <i>Project Supervisor</i>	2020 - 2021
	INFOB131 - Introduction to programming, <i>Teaching Assistant</i>	Fall 2020
Students (co)-supervision	Aton Kamanda (MSc) – Deep learning for code	Fall 2021 -
	Lucas Maes (MSc) – Deep reinforcement learning and robotics	Fall 2021 -
Past students	Bastien Nicolas (MSc.)	Spring 2021
	<i>Learning from Code Flow Dependencies using Graph Neural Networks for Code Refactoring</i>	
	Lucas Maes (BSc.)	Fall 2020 - Spring 2021
	<i>Code Documentation Generation Plug-In Development using Pretrained Language Models</i>	
	Aton Kamanda (BSc.)	Fall 2020 - Spring 2021
Publications	<i>Code Search Plug-In Development using Pretrained Language Models</i>	
	J. A. H. López *, M. Weyssow *, J. S. Cuadrado, & H. Sahraoui (2022)	
	AST-Probe: Recovering abstract syntax trees from hidden representations of pre-trained language models.	
	* equal contributions	
	<i>arXiv preprint arXiv:2206.11719, under revision</i>	
	M. Weyssow , H. Sahraoui & B. Liu (2022)	
	Better Modeling the Programming World with Code Concept Graphs-augmented Multi-modal Learning.	
	<i>44th IEEE International Conference on Software Engineering, New Ideas and Emerging Results (ICSE-NIER'22)</i>	
	M. Weyssow , H. Sahraoui & E. Syriani (2021)	
	Recommending Metamodel Concepts during Modeling Activities with Pre-Trained Language Models.	
	<i>Software and Systems Modeling, theme issue on AI-enhanced Model-Driven Engineering</i>	
	Mussbacher, G., Combemale, B., Kienzle, J. et al. (2020)	
	Opportunities in intelligent modeling assistance.	
	<i>Software and Systems Modeling</i>	
	M. Weyssow , H. Sahraoui, B. Vanderose & B. Frénay (2020)	
	Combining Code Embedding with Static Analysis for Function-Call Completion.	
	<i>arXiv preprint arXiv:2008.03731</i>	

G. Mussbacher, B. Combemale, S. Abrahão, N. Bencomo, L. Burgueño, G. Engels, J. Kienzle, T. Kühn, S. Mosser, H. Sahraoui, **M. Weyssow** (2020)
Towards an Assessment Grid for Intelligent Modeling Assistance.
2nd Workshop on Artificial Intelligence and Model-driven Engineering