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| <b>Contact Information</b> | <p><b><u>Affiliation:</u></b></p> <p>GEODES, Software Engineering Research Lab<br/> Département d'Informatique et de Recherche Opérationnelle (DIRO)<br/> University of Montreal</p> <p><i>E-mail:</i> <a href="mailto:martin.weyssow@umontreal.ca">martin.weyssow@umontreal.ca</a><br/> <i>Web:</i> <a href="http://martin-wey.github.io">martin-wey.github.io</a></p>   |
| <b>Research Interests</b>  | Deep learning for code, multimodal learning, meta-learning, continual learning, graph neural networks, large language models, and program synthesis.  |
| <b>Education</b>           | <p><b>University of Montreal</b></p> <p>Ph.D., Computer Science <span style="float: right;">Fall 2020 - present</span><br/> <b>Thesis topic:</b> Deep learning for code, multimodal learning and meta-learning<br/> <b>Advisor:</b> Prof. Houari Sahraoui</p> <p>Research Internship <span style="float: right;">Fall 2019 - Fall 2020</span><br/> <b>Advisor:</b> Prof. Houari Sahraoui</p> <p><b>University of Namur, Belgium</b></p> <p>MSc., Computer Science and Data Science <span style="float: right;">2018 - 2020</span><br/> <b>Thesis advisor:</b> Prof. Houari Sahraoui<br/> <b>Grade:</b> 19/20 (<i>highest grade</i>)</p> <p>BSc., Computer Science, Minors Mathematics <span style="float: right;">2015 - 2018</span></p>  |
| <b>Scholarships</b>        | <p>FRQ Merit Scholarship for Foreign Students (PBEEE) – 25,000 CAD/y <span style="float: right;">2022 - 2024</span><br/> Scholarship for Excellence, DIRO – 5000 CAD <span style="float: right;">2021</span><br/> Google Scholarship for Excellence, DIRO – 26,000 CAD <span style="float: right;">2021</span><br/> Scholarship for Excellence, DIRO – 5000 CAD <span style="float: right;">2020</span><br/> Research Scholarship, Mitacs Globalink Canada – 6000 CAD <span style="float: right;">Spring 2020</span></p>  |
| <b>Community Services</b>  | <p>ICLR 2022, DL4C Workshop – <i>Program Committee</i> <span style="float: right;">2022</span><br/> SOSYM Journal AI-MDE Theme Issue – <i>Reviewer</i> <span style="float: right;">2021</span><br/> IEEE SANER Conference – <i>Reviewer</i> <span style="float: right;">2021</span><br/> ACM/IEEE MODELS Conference – <i>Student Volunteer</i> <span style="float: right;">2020</span><br/> IEEE Transactions on Software Engineering – <i>Reviewer</i> <span style="float: right;">2020</span><br/> Data &amp; Models Workshop – <i>Participant</i> <span style="float: right;">2020</span></p> <p>Participant of a workshop about the role of artificial intelligence in model-driven engineering organized at McGill's Bellairs Research Institute.<br/> (<a href="http://www.bellairs2020.ece.mcgill.ca/index.htm">http://www.bellairs2020.ece.mcgill.ca/index.htm</a>)</p> |

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| <b>Teaching</b>                      | University of Namur  |                         |
|                                      | INFOB318 - Individual bachelor project, <i>Project Supervisor</i>  | 2020 - 2021             |
|                                      | INFOB131 - Introduction to programming, <i>Teaching Assistant</i>  | Fall 2020               |
| <b>Students<br/>(co)-supervision</b> | Aton Kamanda (MSc) – Deep RL and program synthesis   |                         |
|                                      | Lucas Maes (MSc) – Deep RL and program synthesis   |                         |
| <b>Past students</b>                 | 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 |
|                                      | <i>Code Search Plug-In Development using Pretrained Language Models</i>  |                         |
| <b>Publications</b>                  | <b>M. Weyssow</b> , 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>                                   |                         |
|                                      | <b>M. Weyssow</b> , 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>   |                         |
|                                      | <b>M. Weyssow</b> , 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, <b>M. Weyssow</b> (2020) |                         |
|                                      | Towards an Assessment Grid for Intelligent Modeling Assistance   |                         |
|                                      | <i>2nd Workshop on Artificial Intelligence and Model-driven Engineering</i>  |                         |