

# Jérôme Parent-Lévesque

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Languages: French, English

## EDUCATION

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| <b>Université de Montréal</b>  | Montreal, QC |
| <i>Computer Science Master's under Professor Aaron Courville at the MILA Lab</i>   | 2019-        |
| <b>McGill University</b>   | Montreal, QC |
| <i>Honours Electrical Engineering Bachelor's</i>   | 2015-2018    |
| <ul style="list-style-type: none"><li>• CGPA: 3.94/4.00</li><li>• <b>Scholarships:</b> Brodeur-Drummond Scholarship, Christie Steinmetz Award, Faculty of Engineering Scholarship, John Green Memorial Award, Erim Kumbaracibasi Bursary Fund, John Howard Ambrose Scholarship</li></ul> |              |

## EXPERIENCE

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| <b>Amazon</b>  | Vancouver, BC                   |
| <i>Software Development Engineer Intern</i>  | May 2018 – July 2018            |
| <ul style="list-style-type: none"><li>• Improved robustness of large scale workflows for generating CSV reports to sellers on the AWS Marketplace platform</li><li>• Upgraded project dependencies to use AWS cloud services such as SQS and SNS and migrated from Java Swing to Guice</li></ul>   |                                 |
| <b>Vigilant – a DRW company</b>  | Montreal, QC                    |
| <i>Full Stack Web Developer Intern (Full Time)</i>   | May 2017 – August 2017          |
| <ul style="list-style-type: none"><li>• Created a web application from the ground up to manage financial data and to replace many outdated company tools</li><li>• Used technologies such as Node.js, Angular and TypeScript. Optimized the application for large data volumes</li><li>• In an Agile environment, stayed in communication with end users to adapt the application to their evolving needs</li></ul>  |                                 |
| <b>Digital Distributed Music Archives and Libraries Lab</b>  | McGill University, Montreal, QC |
| <i>Software Developer / Research Assistant (Full Time)</i>   | May 2016 – Aug. 2016            |
| <ul style="list-style-type: none"><li>• Continued development of the <a href="https://cantus.simssa.ca">https://cantus.simssa.ca</a> website with Backbone and Django</li><li>• Helped develop the initial release of <a href="https://musiclibs.net">https://musiclibs.net</a> with React.js and Django</li><li>• Continued development and released version 5.0 of <a href="http://ddmal.github.io/diva.js/">http://ddmal.github.io/diva.js/</a></li></ul> |                                 |

## PROJECTS

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- All my software projects can be found on my **GitHub** account: <https://github.com/jeromepl>
- **Deep Physics-Based Character Locomotion (Honours Thesis Project)**  
(In Progress) Final engineering project, supervised by Derek Nowrouzezahrai. Research project attempting to improve upon state-of-the-art techniques for autonomous locomotion of biped characters in physics-based environments through reinforcement learning.
  - **ENorm Reproducibility** [github.com/jeromepl/enorm-reproducibility](https://github.com/jeromepl/enorm-reproducibility)  
Reproducibility study done on the ICLR 2019 paper “Equi-Normalization of Neural Networks”. PyTorch implementation of a novel weight normalization technique. Submitted to the ICLR 2019 reproducibility challenge.
  - **Binge** <https://kartoshka.github.io/Binge/>  
Binge is a TV show suggestion engine. It allows you to rate shows, get smart suggestions and save them for later. Our team of 3 won 1<sup>st</sup> place for this project at the 2016 McGill Code.jam() competition.

## HACKATHON DISTINCTIONS

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| • 1 <sup>st</sup> place Code.jam() 2016 | • 1 <sup>st</sup> place Code.jam() 2015     | • 1 <sup>st</sup> place MSFT3C (McGill) 2017 |
| • 1 <sup>st</sup> place McHacks 2016,   | • 3 <sup>rd</sup> place HackSherbrooke 2015 | • Top 8 at ConUHacks 2016                    |