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| **Gabriel Descôteaux**  **Email : gabriel.descoteaux@polymtl.ca Montreal, Quebec, Canada (514) 404-5254**  **Portfolio : gadese.github.io**  **Note:** Refer to my portfolio for details on completed projects, and further general information! |  |
| Relevant information   * Knowledge in controls, artificial intelligence, computer vision, robotics, deep learning, ROS, etc. * Fluent in French and English, and eager to learn and face new challenges * Demonstrated excellent organizational, teamwork and project management skills as project leader |  |
| Education  **M.Sc. in Mechanical Engineering – Robotics and Mechatronics systems GPA: 4.00/4.00**  *Research Group in Design, Machine Learning and Optimization for Mechatronic Systems, Polytechnique Montréal*  ***Thesis:*** *Autonomous feeding-assistance system for people with upper body disabilities*  **B.Sc. in Electrical Engineering GPA: 3.84/4.00**  *Polytechnique Montréal – Montréal, Quebec*  **Additionnal classes:** Coursera’s Deep Learning Specialization, Udacity’s Artificial Intelligence for Robotics | 2018-Today  2015-2018 | |
| *Engineering Experience*  **Intern – Software developer**  ***Analogic Canada***  **Research intern in robotics**  *Research Group in Design, Machine Learning and Optimization for Mechatronic Systems, Polytechnique Montreal*   * Robust design project * Control – Facial recognition project   **Research intern in biomedial imaging**  *Laboratory of Optical Diagnoses**and Imaging, Polytechnique Montréal* | 2018  2015-2017  2017-2018  2015-2017  2015 | |
| *Personal Projects / Student Groups*  **Rubik’s cube solving robot**  **Deep learning challenges**  **Wearable glove to measure forces within fingers for rock-climbers**  **Self-balancing robot**  **PolyProject (Engineering student club)**   * Developed an interactive control system for a robotic hand using an innovative fiber optic sensory glove * Treasurer   + Managed the group’s finances. Upped the disposable income by over 4000$ compared to the previous year by finding new sponsors and funding opportunities. * Director of Communications   + Managed recruitment of new members, publicity, social media and visibility for the group   *Awards & Scholarships*  *Recipient of the prestigious and competitive FRQNT research grant for M.Sc. students*  *Recipient of the JA DeSève award by Polytechnique Montreal*  *Recipient of the prestigious and competitive NSERC research grant for M.Sc. students*  *Recipient of the CMC Électronique award by Polytechnique Montreal*  *Recipient of the competitive NSERC Summer research grant for undergraduate research*  *Recipient of the Vedel award by Polytechnique Montreal*  *Recipient of the Hatch Ltd. award by Polytechnique Montreal* | 2019  2018-2019  2017-2018  2017-2018  2014-2018  2016-2017  2015-2016  2019  2019  2018  2017, 2018  2015, 2016, 2017  2016  2015 | |