Brenda Namuhoranye

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GitHub: https://github.com/BrendaNamuh

Education

Bachelor of Arts and Science, McGill University, Montreal, QC, Canada   **Sept. 2019- Present**
- Major: Honours Cognitive Science, concentration in Computer Science
- Minor: Computer Science

Diplôme d'études collégiales, Dawson College, Montreal, QC, Canada   **Sept. 2017 - May 2019**
- Program: Pure & Applied Science

École Secondaire Mont-de-LaSalle, Laval, QC, Canada   **Sept. 2013 - June 2017**

Work Experience

Bagot Behavioural Neurogenomics Lab, McGill University   **Sept. 2021 - May 2022**
- Investigated the role of prefrontal cortex projections and ventral hippocampal projections to the nucleus accumbens in integrating outcomes over time in reward learning.
- Analyzed fiber-photometry and behavioural data: Applying deconvolution techniques, visualizations, summary statistics, using Python
- Summarized findings in research paper

Integrated General Purpose AI Seminar, McGill University   **May 2020 - August 2020**
- Intern under Professor Joseph Vybihal
- Introduced to neural networks, knowledge nodes, meta systems etc.
- Informed the implementation of algorithms with notions from cognitive science and neuroscience

Infant Brain Imaging Study (IBIS), Montreal Neurological Institute   **June 2018- August 2018**

- Intern, Dawson Neuroscience Research Group
- Shadow researchers, project managers and software developers
- Basic cleaning, sorting of datasets
- Performed weekly progress presentations with team
- Participated in neuroscience poster symposium

Extracurriculars

McGill Biomechanics Club   **April 2022 - Present**

- Current Project: Wearable Tremor Suppression Glove
- Researching IMUs & tremor estimator algorithms (currently in the conception & planning phase)

McGill Students for Parkinson's Awareness   **September 2019 - May 2022**

- Informed patients of Parkinson Quebec resources
- Contributed to the organization of fundraising events
- Participated in fundraising events

Skills/Interests

- Computer languages (in order of proficiency): Python, Java, SQL, C, R
- Fluent in spoken and written English and French
- Interests: Data Science, Computational Neuroscience, AI, Software Engineering