

# Jenisha Patel

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## Work Experience

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<b>Data Science Intern</b> , Canadian Space Agency	04/2019–08/2019
<ul style="list-style-type: none"><li>– Developed Python and R scripts to digitize and analyze satellite imagery data</li><li>– Built an open data portal demo using CKAN, a Python-based open-source data platform</li><li>– Cleaned and provided feedback on datasets for the Space Apps Challenge hackathon</li></ul>	
<b>Research Assistant</b> , McGill Department of Bioengineering	01/2017–08/2018
<ul style="list-style-type: none"><li>– Developed Python and Bash scripts to analyze large genomic datasets</li><li>– Co-developed MATLAB scripts to automatically quantify bacteria present in a sample</li></ul>	
<b>Scheduling Intern</b> , Dash Computer Solutions	06/2015–08/2017
<ul style="list-style-type: none"><li>– Designed master schedules for high schools and elementary schools using an in-house matrix reporting structure-based tool</li><li>– Negotiated with administrators to solve issues due to conflicting constraints</li></ul>	

## Leadership Experience

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<b>Co-President</b> , McGill Women in Computer Science	04/2019–04/2020
<ul style="list-style-type: none"><li>– Co-lead a team of 9 executive members to organize initiatives that promote gender diversity in tech</li><li>– Lead a team of 4 executive members to organize a hackathon for 250 students</li></ul>	
<b>Signal Processing Team Lead</b> , McGill Neurotech	01/2019–06/2019
<ul style="list-style-type: none"><li>– Lead a team of 6 students to develop Python and MATLAB scripts to analyze, visualize and extract useful features from raw EEG data</li></ul>	
<b>Events Coordinator</b> , McGill Women in Computer Science	09/2018–04/2019
<ul style="list-style-type: none"><li>– Co-organized workshops, speaker series, industry visits and networking events</li></ul>	
<b>Conference Program Coordinator</b> , Canadian Federation of Engineering Students	09/2016–12/2016
<ul style="list-style-type: none"><li>– Organized 40 keynotes, speakers, panelists and workshop facilitators for a three-day conference bringing together 250 Engineering student leader from across Canada</li></ul>	

## Selected Projects

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<b>MILO: a brain-controlled wheelchair</b> , Neurotech McGill	01/2019–05/2019
<ul style="list-style-type: none"><li>– Lead the signal processing sub-team to help build a EEG-controlled wheelchair</li><li>– Awarded 1st place project by the 2019 International NeurotechX Student Club Competition</li></ul>	
<b>MR-Ai: a bad MRI scan detector</b> , Ai for Social Good Lab	05/2018–06/2018
<ul style="list-style-type: none"><li>– Co-developed a Python-based desktop application with an integrated neural net to detect motion artefacts (blurriness due to movement) in MRI scans.</li><li>– Awarded 1st place project by Google DeepMind</li></ul>	
<b>chattERP : a p300 speller brain-computer interface</b> , Neurotech McGill	01/2018–05/2018
<ul style="list-style-type: none"><li>– Co-developed scripts to parse raw EEG data for a brain-computer interface that uses EEG brain signals to spell out words that a person is thinking on a screen</li><li>– Awarded 1st place project by the 2018 International NeurotechX Student Club Competition</li></ul>	

## Education

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<b>BEng in Bioengineering, minor in Computer Science</b> , McGill University	09/2016–05/2020
<ul style="list-style-type: none"><li>– Cumul. GPA: 3.88/4.00</li></ul>	
<b>Machine Learning Certificate</b> , Stanford University (Coursera)	06/2019–07/2019
<b>Fellowship</b> , Ai for Social Good Lab	05/2018–06/2018
<ul style="list-style-type: none"><li>– Learned technical concepts in machine learning, computer vision, prototype development and design</li></ul>	

## Skills

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### Programming and markup languages

– **Advanced:** Python    **Intermediate:** R, MATLAB, Bash, L<sup>A</sup>T<sub>E</sub>X    **Basic:** C, HTML/CSS, Javascript, Java, SQL, OCaml

### Human languages

– Fluent in English and Français