GREYDON GILMORE

Ph.D. Student in
Biomedical Engineering

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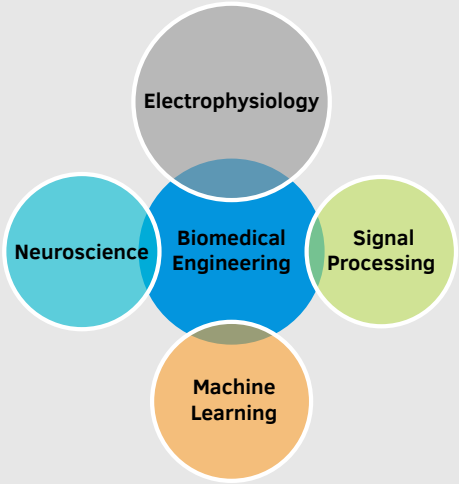
Technical Skills

Overview



Programming

$0\ LOC \longrightarrow 5000\ LOC$

Python • R • Matlab

SQL • LaTeX

C++

Education

May 2017 - Present	**Ph.D. Student in Biomedical Engineering**	Western University
2013 - 2015	**M.Sc. in Neuroscience**	Western University
2010 - 2013	**B.Sc. in Neuroscience**	Carleton University

Research Experience

May 2017 - Present — **Graduate Research Assistant (Ph.D)** — Western University

- Developing machine learning models for improved accuracy during neurosurgery procedures
- **Projects:** Neural signal feature extraction, Deep brain stimulation electrode reconstructions
- **Tools:** Python, 3D Slicer, Command Line, R, Matlab, Github
- **Awards:** Ontario Center of Excellent TalentEdge

Sep 2013 - May 2015 — **Graduate Research Assistant (M.Sc.)** — Western University

- Full body assessment of Parkinson disease using inertial sensors and force plates
- **Projects:** Tremor detection using inertial sensors, gait analysis
- **Tools:** Matlab, XSENS sensors, R
- **Awards:** Canadian Graduate Scholarship CIHR

Grants

2017	**Graduate Student Innovation Scholars** **Amount**: $1,000 CAD	WORLDDiscoveries
2017-2019	**Graduate Student Award** **Amount**: $40,000 CAD	Parkinson's Society of Canada
2017-2019	**Intern Talentedge Program** **Amount**: $60,000 CAD	Ontario Center of Excellence
2014-2016	**Canadian Graduate Scholarship** **Amount**: $37,000 CAD	Canadian Institute of Health Research

Training

July 2018	**Deep Learning Reinforcement Learning Summer School** Vector Institute and CIFAR	
May 2017	**Intensive Intraoperative Neurophysiological Monitoring Course** Greenville Neuromodulation Centre	

Publications

Gilmore, G., Lee, D., Parrent, A., Jog, M. (2017). The current state of post-operative imaging in the presence of deep brain stimulation electrodes. Movement Disorders.

Gilmore, G., Jog, M. (2017). Future perspectives: Assessment tools and rehabilitation in the new age. In Fen, C.H., Barsottini, O. (1st edition, pp. 155-182), Movement Disorders Rehabilitation. New York, New York: Springer.

Memar, S., Delrobaei, M., **Gilmore, G.**, McIsaac, K., Jog, M. (2017). Segmentation and detection of physical activities during a sitting task in Parkinson's disease participants using multiple inertial sensors. Journal of Applied Biomedicine.