

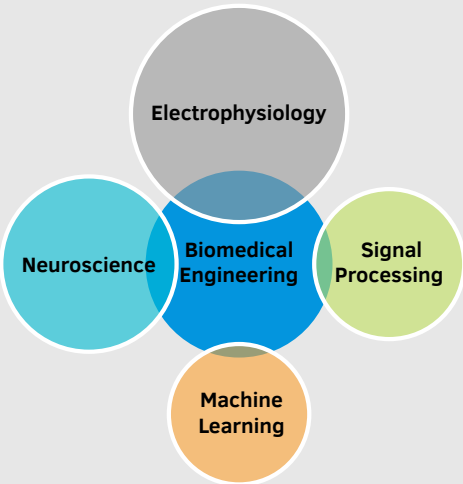


GREYDON GILMORE

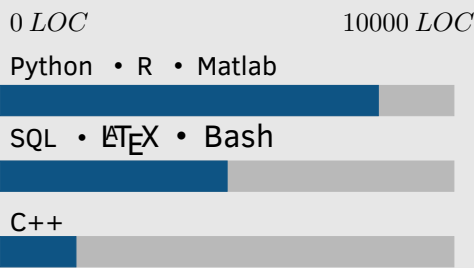
Intraoperative electrophysiologist

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Technical Skills — Overview



Programming



Education

2017-2022	Ph.D. Biomedical Engineering	Western University
2013-2015	M.Sc. Neuroscience	Western University
2010-2013	B.Sc. Neuroscience	Carleton University

Research Experience

2017-2022	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, R, Matlab, Bash, 3D Slicer, Github		
Awards: Ontario Center of Excellent TalentEdge		
2013-2015	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: Python, Matlab, XSENS sensors, PKMAS Zenowalkway		
Awards: Canadian Graduate Scholarship CIHR		

Grants

2020-2022	Graduate Student Award	Parkinson's Society of Canada
Amount: \$20,000 CAD/yr		
2017-2019	Intern Talentedge Program	Ontario Center of Excellence
Amount: \$60,000 CAD		
2017-2019	Graduate Student Award (declined)	Parkinson's Society of Canada
Amount: \$20,000 CAD		
2014-2016	Canadian Graduate Scholarship	Canadian Institute of Health Research
Amount: \$37,000 CAD		

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., Murgai, A., Nazer, A., Parrent, A., Jog, M. (2019). Zona incerta deep-brain stimulation in orthostatic tremor: efficacy and mechanism of improvement. Journal of Neurology.

Gilmore, G., Gouelle, A., Adamson, M., Pieterman, M., Jog, M. (2019). Forward and backward walking in Parkinson disease: A factor analysis. Gait & Posture.

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.