

TA Contact, Availability and Areas of Expertise

Shaun Fickling (sficklin@sfu.ca)

Ph.D. candidate in Biomedical Engineering focusing on developing portable neuro-technologies for applications in concussion.

Availability: TBA

Research Areas: Medical Device Development, Mechatronics, Neuroscience, Biomechanics, Sports Injury

Expertise:

- Mechatronic and electrical design
- Electroencephalography (EEG)
- Data strategy and analysis
- Experimental design
- Basic machine learning
- Technical report writing
- Business model development
- Graphic design

Software: MATLAB, C/C++, Python, Arduino, Eagle, SPSS, OpenSim, Photoshop, Illustrator, InDesign