PHOENIX YU WILKIE

Research Assistant

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EXPERIENCE

Research Assistant

Orthopaedic Biomechanics Lab - Sunnybrook Research Institute (SRI)

📅 June 2018 – June 2019 📍 Toronto, Ontario, CA

- 3D design and rapid prototyping of surgical tools.
- Optimizing custom 3D Slicer Module, created in house, for surgical navigation.

Research Assistant

Perk Lab - Queen's University

📅 September 2016 – ongoing 📍 Kingston, Ontario, CA

- Custom 3D Slicer Module implementation and 3D modelling/printing for medical phantoms.

Armourer

Queen's University Varsity Fencing

📅 September 2016 – ongoing 📍 Kingston, Ontario, CA

- Build, repair, and maintain all fencing weapons and equipment; run tournaments; and teach fencers.

Research Assistant

Semaphore Research Cluster - University of Toronto

📅 September 2015 – August 2017 📍 Toronto, Ontario, CA

- Creating a better and more cost effective alternative for Transparent Facial Orthosis for severe burn victims with 3D technology.
- Bespoke Brain Project to create patient specific medical models.

PUBLICATIONS

📄 Journal Articles

- McLachlin, Stewart et al. (2019). "Classifying spinal cord white matter using diffusion tensor imaging tractography and atlas-based labeling". In: *SUBMITTED*.

👥 Conference Presentations

- Wilkie, Phoenix et al. (2018). "Optimizing an executable automated pipeline for the analysis and visualisation of spinal cord tracts from diffusion tensor imaging". In: Toronto, CA: SRI, Poster.
- Wilkie, Phoenix Yu et al. (2016). "3D Scanning and Printing of Transparent Facial Orthoses". In: Toronto, CA: AAMC, Poster.

REFERENCES

☎ Available on request

ACHIEVEMENTS

🏆 **Chancellor's Award Winner**
Full undergraduate scholarship at Queen's University (2016-Present)

Dean's Honour Roll
Queen's University (2016-Present)

President's Award Winner
University of Toronto (declined)

The Cansbridge Fellowship
Cohort of 2020

QuARMS
Top 40

Exceptional Youth TV Segment
Television segment presenting my research on TFO (2016)

SHAD Valley International Alumni
University of Lakehead

STRENGTHS

Dedicated Flexible Leadership
Meticulous Quick learner Creative

Photoshop Graphic Design Python
3D Modelling LaTeX Bash Haskell
Rapid Prototyping Java Writing

LANGUAGES

English ●●●●●

French ●●●●○

Mandarin ●●●○○

EDUCATION

B.Sc.Hons. in Biomedical Computing Specialisation

Queen's University

📅 Sept 2016 – June 2021

Professional Internship at SRI