

Undergraduates Step onto the World Stage

This year, undergraduates from the Perk Lab had 7 papers accepted to the 2018 SPIE Medical Imaging conference, which is among the largest international conferences in the field. The refereed 10-page papers are archived in the SPIE Digital Library and the conference will be held in Houston, Texas in February. The list of papers and students (with year of study at the time of submission) is as follows:

SPIE. MEDICAL IMAGING



Towards webcam-based tracking for interventional navigation

Mark Asselin (2nd year)



HoloLens in suturing training

Hillary Lia (2nd year)



Real-time transverse process detection in ultrasound

Bryan Travers (2nd year)

Neurosurgical burr hole placement using the Microsoft HoloLens

Emily Rae (3rd year)



Visual aid for identifying vertebral landmarks in ultrasound

Zachary Baum (4th year)



Ultrasound imaging of the posterior skull for neurosurgical registration

Grace Underwood (4th year)



Real-time workflow detection using webcam video for providing real-time feedback in central venous catheterization training

Rebecca Hisey (4th year)

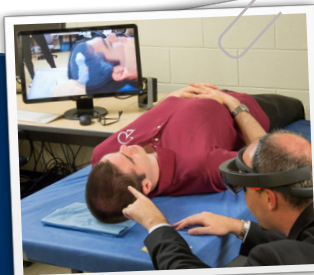


Zac Baum



Visual aid for identifying vertebral landmarks in ultrasound

Mark Asselin



HoloLens in suturing training

Neurosurgical burr hole placement using the Microsoft HoloLens

Emily Rae

Rebecca Hisey



Real-time workflow detection using webcam video for providing real-time feedback in central venous catheterization training

How Queen's Became Home

By Zac Baum

In 2013, I took a risk and decided to study Biomedical Computing at Queen's, having previously never written a single line of code. I can honestly say I haven't looked back ever since.

The School of Computing very quickly became much more than a home to me, and it would be an understatement to say that the people I've met through the past four years have made my time here so rewarding.

The School offers its students world class education from international leaders in their respective fields. A degree will always hold value, and it is much of the reason many students attend post-secondary education. That said, the School prides itself on encouraging its students to earn more than a degree while they are here. It does not fall short on

offering what I would consider the definitive student experience.

In high school, I would show up just before my first class, and leave after my last class of the day. At Queen's it's not farfetched to say I may have spent more hours in Goodwin Hall than I did at my house. My time with the Computing Students' Association (COMPSA) and Computing Orientation Week changed my perspective on extra-curricular involvement. Whether I was helping out with undergraduate recruitment at Fall Preview, grading tests as a teaching assistant, spending my summers doing research in the PerkLab or napping on the couch in the COMPSA Office – I would not change any of it. The School let me find my passion outside the classroom in ways high school had not allowed me to, and I owe a lot to the School, its staff, its faculty, and my fellow students for that.

I'm proud to have been a part of some of the best of what the School of Computing has to offer, and cannot thank the students, faculty and staff enough for everything over the past four years.



Zac Baum (left) with friend and classmate Vinyas Harish (right).