

# Jacob J. Peoples Curriculum Vitæ

PhD Candidate, Queen's University

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## Education

2016/09 – present	<b>PhD Computing</b> , Queen's University	
2014/09 – 2016/08	<b>MSc Computing</b> , Queen's University	Promoted to PhD
2010/09 – 2014/04	<b>BScH Mathematical Physics</b> , Queen's University	GPA: 4.15/4.3

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## Publications

### Journal Articles

- J1 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable multimodal registration for navigation in beating-heart cardiac surgery. *International Journal of Computer Assisted Radiology and Surgery*, 2019. (doi: [10.1007/s11548-019-01932-2](https://doi.org/10.1007/s11548-019-01932-2)<sup>1</sup>)

### Refereed Abstracts

- A2 M. S. Hefny, **J. J. Peoples**, M. L. Zec, D. R. Pichora, and R. E. Ellis: Topologically consistent triangulation for computer assisted surgery planning. In *CARS 2016, International Journal of Computer Assisted Surgery (Suppl 1)*, 2016.
- A1 M. S. Hefny, **J. J. Peoples**, M. L. Zec, D. R. Pichora, and R. E. Ellis: Atlas-based scaphoid fixation planning. In *Proceedings of the Annual Meetings of CAOS-International*, 2016.

### Preprints

- P1 K. Cannon, C. Hanna, and **J. Peoples**: Likelihood-ratio ranking statistic for compact binary coalescence candidates with rate estimation. *arXiv preprint arXiv:1504.04632*, 2015.

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## Research Experience

2016/09 – present	<b>Graduate Researcher (PhD)</b> , Queen's University
2014/09 – 2016/08	<b>Graduate Researcher (Master's)</b> , Queen's University
2015/10 – 2016/01	<b>Special Research Student</b> , Nara Institute of Science and Technology
2013/05 – 2013/08	<b>Summer Undergraduate Researcher</b> , Canadian Institute for Theoretical Astrophysics

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## Teaching Experience

2018 Winter	<b>Instructor</b> , Discrete Mathematics for Computing I (CISC102), Queen's University
2017/03/28	<b>Guest Lecturer</b> , Continuous Coordinate Transformations (CISC881), Queen's University
2017/01/16	<b>Guest Lecturer</b> , Continuous Coordinate Transformations (CISC881), Queen's University
2017/01/14	<b>Guest Lecturer</b> , Continuous Coordinate Transformations (CISC881), Queen's University
2016 Fall	<b>Teaching Assistant</b> , Discrete Mathematics for Computing I (CISC102), Queen's University
2015 Fall	<b>Teaching Assistant</b> , Logic for Computing Science (CISC204), Queen's University
2014 Fall	<b>Teaching Assistant</b> , Discrete Mathematics for Computing I (CISC102), Queen's University

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## Awards and Honours

### Research Scholarships

2017/09 – present	<b>NSERC PGS-D</b> , CAD 21,000 per annum
2016/09 – 2017/08	<b>Queen Elizabeth II Graduate Scholarship in Science and Technology</b> , CAD 15,000
2015/05 – 2016/04	<b>NSERC Alexander G. Bell CGS-M</b> , CAD 17,500
2015/11 – 2016/01	<b>JASSO Student Exchange Support Program for Short Term Study in Japan</b>
2013/05 – 2013/08	<b>NSERC Undergraduate Summer Research Award</b>

### Undergraduate Awards

All awards listed below were awarded by Queen's University

2014	Medal in Mathematical Physics; Dean's Honour List
2013	Dean's Honour List; Nellie and Ralph Jeffery Award in Mathematics

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<sup>1</sup><https://doi.org/10.1007/s11548-019-01932-2>

- 2012 Dean's Honour List with Distinction; Susan Near Prize in Mathematics; Susan Near Prize in Physics; Dora and Beatrice Helmkey Scholarship in Mathematics
  - 2011 Dean's Honour List with Distinction; William Coombs Baker Memorial Prize; Day Prize in Physics and Mathematics; Annie Bentley Lillie Prize in First Year Calculus; Principal's Scholarship
  - 2010 Principal's Scholarship
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## Conference Presentations

### Talks

- CT2 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable Multi-Modal Registration for Navigation in Beating-Heart Cardiac Surgery. Presented at *IPCAI 2019*, by J. J. Peoples, 2019/06/19 ([video](#)<sup>2</sup>)
- CT1 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable Multi-Modal Registration for Navigation in Beating-Heart Cardiac Surgery. Presented at *IPCAI 2019*, by J. J. Peoples, 2019/06/18 ([video](#)<sup>3</sup>)

### Posters

- CP1 **J. J. Peoples**, G. Bisleri, and R. E. Ellis: Deformable Multi-Modal Registration for Navigation in Beating-Heart Cardiac Surgery. Presented at *IPCAI 2019*, by J. J. Peoples, 2019/06/18 to 2019/06/19

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<sup>2</sup><http://medialibrary.cars2019.org/mediatheque/media.aspx?mediaId=70854&channel=70776>

<sup>3</sup><http://medialibrary.cars2019.org/mediatheque/media.aspx?mediaId=70821&channel=70776>