Personal Information

Rane Simpson
Born on 10/26/1992 in Grimsby, Ontario
Nationality: Canada
Current Affiliation: University of British Columbia and TRIUMF
Email: ranes@triumf.ca

Education

In Progress **Ph.D in Physics,** University of British Columbia, Vancouver, Canada
'Highly-Charged Radioactive Molecules: Amplifying Sensitivity for New Physics' (Advisor: Prof. Jens Dilling)
Supported by the NSERC Postgraduate Scholarship

04/2020 **B.Sc in Physics,** University of Waterloo, Waterloo, Ontario
Bachelor's Thesis: 'Development of a Probe for the Characterization of the Thermal Hall Effect' (Advisor: Prof. Robert Hill)

Current Position

08/2020 – Ph.D Student with the RadMol Collaboration and the TITAN experiment at TRIUMF

Previous Positions

05/2020 – 08/2020 – Undergraduate research assistant at Senkolab within the Institute of Quantum Computing at the University of Waterloo (PI: Prof. Crystal Senko)

05/2019 – 08/2020 – Undergraduate research assistant at TRIUMF with the TITAN experiment (PI: Prof. Ania Kwiatkowski)

09/2018 – 12/2018 – Undergraduate research assistant within the Institute of Quantum Computing at the University of Waterloo (PI: Prof. Kyung-Soo Choi)

01/2018 – 04/2018 – Undergraduate research assistant at TRIUMF within the CANREB organization (PI: Dr. Brad Barquest)

09/2017 – 12/2017 – Undergraduate research assistant with Brunner Neutrino Lab at McGill University (PI: Prof. Thomas Brunner)

09/2018 – 12/2018 – Undergraduate research assistant for the GOGREEN Survey at the University of Waterloo (PI: Prof. Michael Balogh)

Fellowships and Awards

- NSERC Postgraduate Scholarship – Doctoral (2023-Present, 3 years)
- Four Year Doctoral Fellowship, University of British Columbia (2022-Present, 4 years)
- NSERC Canada Graduate Scholarship – Masters (2020-2021)
- Glyn Reesor Prize, University of Waterloo (2020)
- IQC Undergraduate Research Award, University of Waterloo (2018)

Languages

English: Native Speaker

Publications Summary

Three peer reviewed publications, One in Phys. Rev. C, One in MNRAS