# Utkarsh Mali

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## Education

**University of Toronto, Victoria College**
H.*B.Sc. in Physics, Mathematics and Computer Science*                    *2018-2022*

## Research Experience

UNDERGRADUATE

***Kilonovae Light Curves***
University of Toronto                                                                     *2021*
*Supervisor:* Dr. Keir K. Rogers
Model fitting visible counterparts to gravitational wave events using Gaussian processes, principal components analysis and Markov-chain Monte-Carlo.

***Image classification of Martian topographic features***
University of Toronto                                                                     *2020*
*Supervisor:* Professor Christopher Lee
Created an efficient scalable machine learning model using supervised machine learning methods, mask detection.

***Circuit Quantum Electrodynamics***
National University of Singapore                                                      *2020*
*Supervisor:* Professor Yvonne Gao
Exploring a software automating the discovery of superconducting qubits.

***Organic Spectroscopy***
National University of Singapore                                                      *2019*
*Supervisor:* Dr. Krzysztof Banas
Rapid authentication of organic materials using Fourier Transform Infrared (FT-IR) spectroscopy using multivariate analysis.

## Conference Posters

- FTIR workshop
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## Conference Talks

## Publications

## Awards

## Professional Development

## Outreach

## Equity, Diversity, and Inclusion