

# NTCO AGM Flash Talk

Overview of my 2021/22 undergrad NTCO work

CONCORDIA CUM VERTILE

Ashley Ferreira February 2024



## Where I Worked



Research Project (part-time, remote)

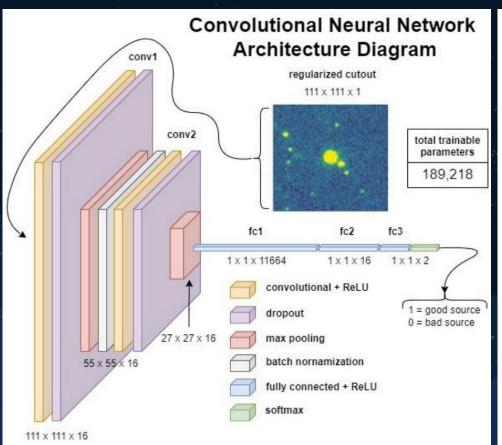
### MDA

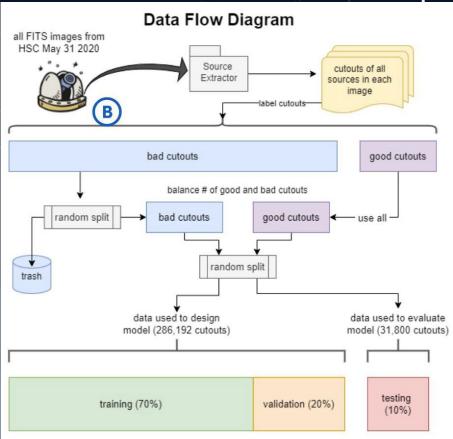
Internship/Co-op Placement (full-time, brampton)



NRC-CNRC Canada Supervisor: Wes Fraser

### Astronomy Research Project





## Astronomy Research Project

- My first end-to-end ML project, learned loads
- Feel free to check out poster+code on GitHub





# MDA Internship



- Automated anomaly detection and fault diagnosis for Canadarm2 and potentially Canadarm 3, helped with small improvements
- Simulation + real data (sadly can't show here)



# Where I am now



01.

### Cool co-ops

Since then I have done work at TRIUMF & CSA

03.

#### Astro+ML

Currently working on 4th year research project using SSL with UNIONS data

02.

### Graduating

Finishing my undergrad degree in phys+astro this term

04.

### NTCOx2

Did fall research project for TRIUMF on ML for neutrino observatory + doing work on LLM annotations for phys+astro+math w/ Cohere

# Thank You!

Thank you NTCO for all the opportunities and support, I am so so grateful!

Please come see me in the poster session to learn more about what I have been working on most recently:)

**Contact:** ashleydc.ferreira@gmail.com

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