

ANNABELLE CHUINARD

Post Graduate Working Permit

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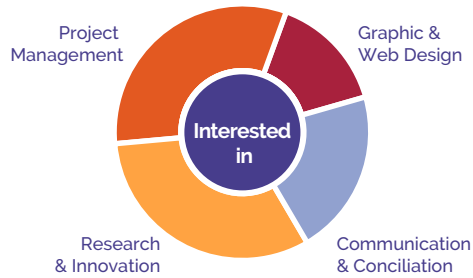
achuinar.github.io

anabelchuinard

"I am a creative physicist with a wild passion for optimization and a taste for adventure."



as latest degree from
McGill University



LANGUAGES

Spoken Written

French

English

German

ON A TIMELINE ...

Experience Events Education

now

Upcoming ATLAS Publication

To be featured in Physics Letters B
"Measurement of the inclusive single diffractive dissociation cross-section of pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector using the ALFA forward detectors"

6/2018 Joined Data For Good - Montreal

5/2018 Ph.D. Defense

3/2018 ATLAS Editorial Board Meetings
Validation of ATLAS physics analysis

7/2016 CTEQ Summer School, Hamburg
on Monte Carlo simulation techniques

4/2016 First Author Publication
in Journal of High Energy Physics
"Testing Pomeron flavour with W boson charge asymmetry"

5/2015 Invited Phenomenology Talk
Workshop on Forward Physics in Copenhagen

1/2015 Joined Space Explorer Program
Outreach program at McGill University

8/2014 Start of Swiss National Foundation Grant

6/2014 Appointed as Teaching Coordinator

4/2014 Organizer of a workshop for College students
about Particle Physics at McGill

1/2014 Physics Games 2014

9/2013 Joined Eclairs de Science
Outreach program at Conference Regionale
des Elus de Montreal

9/2012 Start of Ph.D. in ATLAS

7/2012 MSc. in Physics Graduation
from Ecole Polytechnique Federale de
Lausanne, Switzerland

2012

EXPERIENCE & EDUCATION

Collaborative Research:

Ph.D. in Experimental Particle Physics (ATLAS experiment) [McGill U.] (2012-2018)

- developed classification algorithms to select and analyze large data sets working closely with a small international team,
- coordinated data acquisition software maintenance and testing using Agile tools,
- presented complex topics verbally (>50 talks) and on paper (2 publications) to different target audiences.



Ph.D. Award: Swiss National Science Foundation Grant (10/2014-8/2016)

M.Sc. in Physics (LHCb experiment) [Ecole Polytechnique Fédérale Lausanne] (2011-2012)

- optimized multivariate statistical techniques to select rare events in large data sets.

Science Communication:

Physics Graduate Teaching and Learning Coordinator [McGill U.] (2014-2017)

- chaired a group of 8 volunteers fostering quality teaching in the department,
- organized events: contacted speakers, planned formation, liaised with other faculties,
- assessed the quality of teaching and produced a report for the faculty.

Member of the Space Explorer Program [McGill U.] (2015-2017)

- developed inquiry-based science activities for elementary school teachers,
- collaborated with a school for activities implementation and visited schoolers.

Other Experiences:

Participant in a team working on green fintech at Coopérathon (9/2018- 11/2018)

- elaborated and presented a business plan,
- searched databases to adapt a tool for GHG fractional emission calculation,
- developed online platform.

Member of Data For Good [Notman House] (since 5/2018)

- developed inquiry-based science activities for elementary school teachers.

LinkedIn Learning Certifications:



Machine Learning and AI Foundations: Classification Modeling, Decision Trees
The Essential Elements of Predictive Analytics and Data Mining

IN MY TOOLBOX

Strong Level Intermediate Level Elementary Level

