

ANNABELLE CHUINARD

Post Graduate Working Permit

"I am a creative scientist with a nimble mind and a strong-willed heart."



+1 514 803 0516



annabelle.chuinard@gmail.com



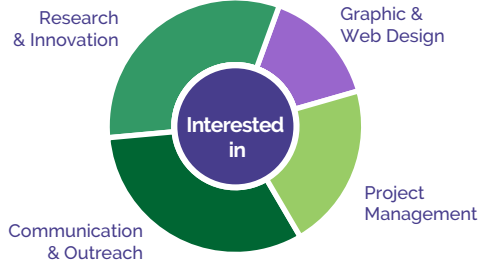
<https://achuinar.github.io>



anabelchuinard



as latest degree from
McGill University



LANGUAGES

Spoken Written

French

English

German

ON A TIMELINE ...

2019

Experience Events Education

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"

10/2018 Won Catalaxy and Prompt Innov. Grants

Carboscope Startup at Coopérathon for impact traceability and innovation in mobility

9/2018 Joined Carboscope Team

within Desjardins Coopérathon Innovation Contest

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 Conférence Régionale des Elus de Montréal

7/2013 Women in Physics Canada at Simon Fraser University

9/2012 Start of Ph.D. in ATLAS

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

2012

EXPERIENCE & EDUCATION



Collaborative Research in Academia:

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

- developed C++-based algorithms collaboratively analyze large data sets,
- coordinated data acquisition software maintenance and testing using Agile tools,
- reported results in publications and at conferences (more than 50 presentations),



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.



Experiences in the Montreal Startup Ecosystem:

Partner Oxia Initiative, Green Fintech Startup, Prompt/Catalaxy grant (since 9/2018)

- provided guidance on data collection for benchmarks and carbon footprint analysis,
- designed platform prototype and educational visuals,
- conceived a business plan and pitched about the project in a competition.

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

- contributed in cleaning data from the non-profit organization RMFVVC offering shelters to women victims of domestic abuse.



Science Communication:

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

- 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)

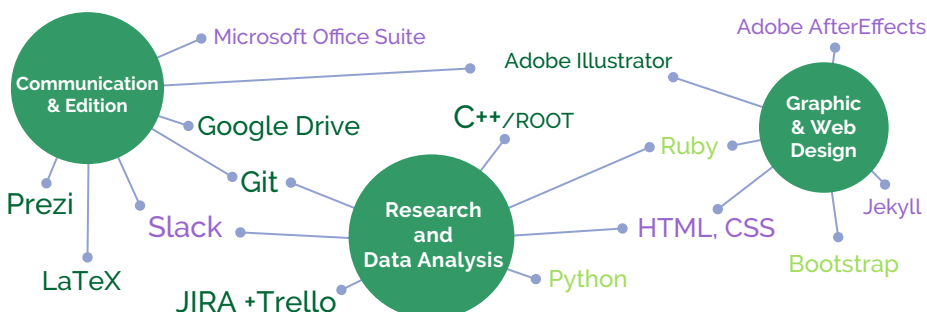
- developed inquiry-based science activities for elementary school teachers,
- collaborated with a school for activities implementation and visited schoolers.

Éclair de Science Consultant [Conférence Régionale des Elus de Montréal] (2013-2014)

- introduced elementary school teachers to inquiry based teaching (several sessions).

IN MY TOOLBOX

Strong Level Intermediate Level Elementary Level



LinkedIn Learning Certifications:

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