

ANNABELLE CHUINARD

Data Scientist | Machine Learning Engineer

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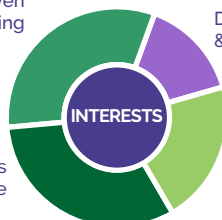
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2 years experience
working with startups

Impact-driven
Problem Solving

Quantitative Analysis
& Predictive Intelligence



Data Literacy
& Education

Innovation Management
& Vision Building

LANGUAGES

Spoken Written

French

English



DATA DRIVEN R&D

WHAT I DID

As a Data Scientist | Machine Learning Engineer [Keela - Networks for Change] (since 01/2019)

- created new framework to quantify and monitor nonprofit customers' performance (KPIs) to help them track their progress and complete their objectives faster,
- researched, designed and built insights to help nonprofits understand constituents' profiles by quantifying their level of engagement and propensity to give,
- built python ETL pipelines to select, clean, analyze nonprofits' data (> 10 Million datapoints),
- shared critical analysis with management, bringing up new insights to inform product decisions.

As a Consultant in Data Strategy [DeepND | AI for Retention, Built for Hourly Employers] (12/2018-07/2019)

- designed metrics to quantify and predict performance of hourly workers from various industries,

As a Ph.D. in Particle Physics working for CERN (ATLAS experiment) [McGill U.] (2012-2018)

- performed advanced multivariate statistical analysis of millions of events,
- completed 3 pioneering studies and published research in physics journals,
- gave more than 150 presentations on thesis topics to diverse audiences.

WHAT I USED

Python

postgreSQL

Django, REST

Jupyter - Anaconda

C++ MongoDB

Docker

Figma



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

SOFTWARE DEVELOPMENT & MACHINE LEARNING

WHAT I DID

As a Data Scientist | Machine Learning Engineer [Keela - Networks for Change] (since 01/2019)

- built hybrid SVD++ recommendation system for donor suggestion in campaigns,
- built clustering algorithm to predict best amount to ask and major gift likelihood,
- designed and built full Vue.js frontend for dashboarding and contact profiling applications.

As a Data Consultant [DeepND | AI for Retention, Built for Hourly Employers] (12/2018 - 07/2019)

- implemented and tested supervised (Random Forest, BDTS etc) and clustering algorithms to predict churn based on daily employee happiness surveys

WHAT I USED

Spacy

Scikit-learn

IBM SASS

Git (github & GitLab)

Vue.js, Javascript



**Certification: IBM Machine
Learning with Python**

MANAGEMENT & COMMUNICATION

WHAT I DID

As a Data Scientist | Machine Learning Engineer [Keela - Networks for Change] (since 01/2019)

- created and held teaching workshops for employees on data visualization, Machine Learning techniques and other data-related topics,
- created high quality documentation and recommendations for stakeholders,
- regularly contributed to company's blog with articles on data-driven technology adoption.

As a Partner [Carboscope - Cooperathon Competition] (10/2018 - 01/2019)

- conceived business plan for a green fintech innovation competition and received 2 awards.

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

- coordinated teaching day for physics tutors chairing a committee of experienced tutors.

WHAT I USED

Slack

Product Board

Notion

Adobe Illustrator

GDrive

Prezi

LaTeX

Expert Intermediate Notions