Eric Pfleiderer

M.Sc. student,
Computer Science

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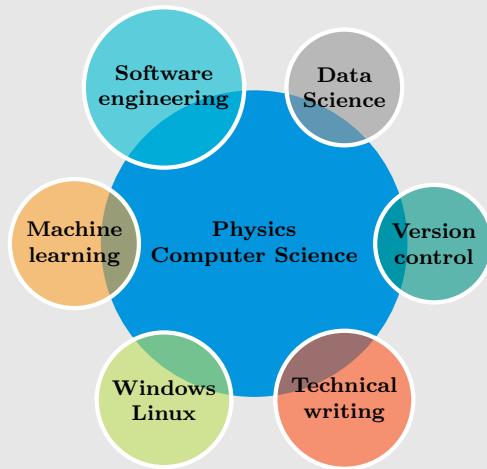@ e.pfleiderer@hotmail.com

⊙ EricPfleiderer

About me

I am a 31 year old master's student of computer science at the University of Montreal and at Fin-ML. I am currently seeking an entry level remote or hybrid position in the field of data science and/or machine learning.

Skills

Programming

0 KLOC ⟶ *10 KLOC*

Python

L4T_EX • Java

Javascript • C • C#

Interests

During my studies as an undergraduate, my interests focused on data science, machine learning and stochastic simulations. During this time, I led a computational biology project where the aim was to optimize a drug treatment policy using reinforcement learning, more specifically using the AlphaZero algorithm from DeepMind.

As a masters student, I pursued a MITACS internship in collaboration with Consilium Crypto. and FIN-ML, where I assisted in the design and production of a machine learning pipeline used to train and optimize price forecasting models. The project used the Ray framework to deploy and scale the project to AWS servers. I also learned to use other useful production tools such as Docker and Git.

Education

since 2020	**M.Sc. Computer Science** Stochastic simulations Representation learning Adversarial learning	University of Montreal, Fin-ML
2016 - 2020	**B.A.Sc Physics & Computer Science** Calculus, linear algebra, statistics, probability Theoretical and experimental physics Theory of computation, optimization Algorithmics, data structures Numerical modelling and computation Software engineering Machine learning	University of Montreal
2015 - 2016	**Pre-University Certificate** Fundamentals of the natural sciences Obtained with honorable mention, 4.26 GPA	University of Montreal
2011 - 2013	**DCS in Social Sciences** Human behavior and cultural interactions	Lionel-Groulx college

Research

2020	**Deep reinforcement learning** Optimisation of combination therapy for the treatment of melanoma using the AlphaZero reinforcement learning model by DeepMind Supervised and funded by Morgan Craig, DMS, UdeM	University of Montreal, CHU-SJ

Work

2020 - 2021	**Intern machine learning engineer** Time-series forecasting using deep learning Autoscaling to clusters using Ray library Funded by the MITACS accelerate program Supervised by Fabian Bastin, DIRO, UdeM	Consilium Crypto

General information

Core traits
— Analytical
— Curious
— Creative
— Goal oriented
— Pragmatic
— Cooperative

Extracurricular interests
— Game development (Unity Engine)
— Music
— Literature
— Film

Mastered languages
— French
— English