

# Charles Jules Thiébaud

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## EDUCATION

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2017 – 2020 (prospect) **Master's degree in Data Science**

Ecole Polytechnique Fédérale de Lausanne

- Minor in Financial Engineering

Relevant Coursework :

- Major : Machine and Deep Learning, Applied Data Analysis
- Minor : Introduction to Finance, Financial Big Data, Venture Capital

2013 – 2017 **Bachelor's degree in Communication Systems**

Ecole Polytechnique Fédérale de Lausanne

- Relevant Coursework: Stochastic Models, Principle of digital communication, Algorithms, Probability and statistics, Database

2010 – 2013 **Maturité Fédérale Bilingue**

Collège du Léman

- OS: Physics and Maths

## LATEST PROJECTS

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2018 **Deep Learning Project**

- Neural Network modeling for a classification task on a noisy dataset prone to over fitting
- Done in Python using Pytorch

2018 **Decentralized SVM**

- Implementation of a Decentralized Support Vector Machine algorithm using stochastic gradient decent
- Implemented using Kubernetes, Docker, GRPC and coded in Scala

2018 **Time Series Flight Delays Forecasting**

- One dimensional models for delays on JFK (New York) to LAX (Los Angeles) air route
- Done in Python using Pandas and statsmodels as well as Rugarch in R

## WORK EXPERIENCE

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September 2019 – Present **Data Scientist Intern**

Firmenich, Geneva

- Internship with master project to validate my diploma
- under supervision of prof. Vandergheynst

March 2019 – September 2019 **Data Scientist**

Smood, Geneva

- Part time: one day a week in parallel with my studies
- Completing various data science related missions in a rapidly evolving environment

## SKILLS

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**Languages** French

- Mother Tongue

English

- C1 Level (93/106 TOEFL (2012))

**Programming Languages** Python

- Pandas, Pytorch, Statsmodels, Keras, Sklearn libraries

Matlab, Excel

## ADDITIONAL INFORMATION

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**Hobbies** Bouldering, Badminton.