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ArthurBernard

Arthur Bernard

Data Scientist in Quantitative Finance

Personal projects

2018 – 2019

Development of machine/deep learning tools (in python and cython) specially adapted to finance, (create neural networks, backtest strategies, econmetric models, financial indicators, etc.).

2017 – 2018

Development of a python webscraping package on crypto-currencies (published on PyPI).

2016 - 2019

Development and maintenance of trading bot algorithms, (starting with "arbitrage on crypto currencies" and recently create strategy with neural networks).

MOOC's

Learn to program with Python,

OpenClassRooms.

Machine learning, by Andrew Ng,

Coursera.

Deep learning, by Andrew Ng,

Coursera.

And other diverse courses (Linux, C++, etc.).

Programming

Interests

Experiences

Since January 2019

Research in Quantitative Finance, at Napoleon Crypto, Paris. Creation of a data-scie
tition proposed to the Collège de France and R&D of trading strategies using neural

June to December 2018

Intern in Quantitative Finance, at Napoleon Crypto, Paris. Research of algorithmic str
creation of a portfolio allocation algorithm.

2012 to 2018

Administrator (volunteer) at Mutuelle des Etudiants de Provence. Approval of budge
investments, internal policy, etc.

Education

2017 & 2018

Master 1 & 2, Econometrics of Banking and Financial markets, at Aix-Marseille Sch
nomics. (Courses: Stochastic Finance, Financial Econometrics, Financial Engineer
metrics of Exchange Rates, Neural Network, etc. ; Projects: Intraday analysis of BTC
EURUSD, etc. ; Master thesis: Analysis of dynamics of Bitcoin.)

2016

Bachelor's degree in Economics and Management, specialized in finance, at Aix-Mars
sité.

2012

Scientific A-Level, at High-School Marie Madeleine Fourcade at Gardanne.

Key skills

Miscellaneous