

📞 +33 6 59 29 14 50
✉ arthur.bernard.92@gmail.com
in /in/arthur-bernard-789955152
🔄 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, econometric 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

Python Highly advanced: Asynchronous, Cython, NumPy, Pandas, Sickit-learn, PyTorch, Multiprocess/thread etc.

VBA Advanced.

C++ Beginner.

Interests

Artificial intelligence.

Crypto-currencies/Blockchains.

Experiences

Jan. 2019 – **Research in Quantitative Finance** at *Napoleon Crypto*, Paris
Present R&D of trading strategies using neural networks and Creation of a data-science competition proposed to the Collège de France.

Jun. 2018 – **Intern in Quantitative Finance** at *Napoleon Crypto*, Paris
Dec. 2018 Research of algorithmic strategies and creation of a portfolio allocation algorithm.

Sept. 2013 – **Administrator (volunteer)** at *Mutuelle des Etudiants de Provence*, Marseille
May 2018 Approval of budgets, financial investments, internal policy, etc.

Education

2017 – 2018 Master's Degree in **Econometrics of Banking and Financial markets** at *Aix-Marseille School of Economics*, Marseille
Courses: Stochastic Finance, Financial Econometrics, Financial Engineering, Econometrics of Exchange Rates, Neural Network, etc. ;
Projects: Intraday analysis of BTCUSD versus EURUSD, etc. ; Master thesis: Analysis of dynamics of Bitcoin.

2016 – 2013 Bachelor's degree in **Economics and Management** at *Aix-Marseille Université*, Marseille
Specialized in finance.

2012 A-Level in **Science** at *High-School Marie Madeleine Fourcade*, Gardanne

Key skills

Proficiency in statistics and econometrics softwares Octave/Matlab (Advanced), R (Advanced), SAS (Beginner), STATA (Beginner).

Operating system Windows and Unix.

Languages French (native speaker), English (professional skill, language of instruction of Master 1 and 2).

Miscellaneous

Founder and general secretary of student association (at *AMEco*)
Organisation and management of team projects.

Hobbies

Cooking, travelling (Norway, Scotland, Eastern countries, etc.), swimming and theater.