

Rue des Deux Ponts 20 – Appt. 34  
1205 Genève  
French (Swiss Residence Permit C)

**Gaël PAGES**

+41 79 861 40 20  
pages\_gael@hotmail.com  
10/06/1986

**Available from mid-April**

## **WORK EXPERIENCE**

---

**Jul. 2013 - Engelhart Commodities Trading Partners, Switzerland (actual)**  
(formerly BTG Pactual Commodities)

**Data Scientist - Systematic Trading (May 2015 – Current)**

Setting up and developing a systematic Commodities book. Portfolio strategies are diverse: Trend following / Mean reversion / Relative value Arbitrage / Quantamentals strategies. Broad scope of Machine learning techniques (Neural Networks, Genetic Programming ...) for modeling and forecasting.

**Senior Quantitative Analyst (Jul. 2013 – Apr. 2015)**

Member of the team in charge of setting up the Agricultural Research team of BTG Pactual

- Internal Database Project manager: defining the needs and guidelines for data acquisition. It involves prices, lineups, weather, production data.
- Analysis tool design: CNF Matrices, Supply & Demand balance sheet, Trade Flows.
- Fundamental modelling and forecasting: crop yields, production, feed and residuals. Methodology driven by economics and weather-related variables
- Discretionary trading support: portfolio optimization and risk
- Intensively involved in recruitment: Analysts, Traders and Trainees. Geneva office grew from 5 people in July 2013 to 70+

**2010 – 2013 NOBLE GROUP, Switzerland / Argentina / Uruguay / Paraguay**  
**Quantitative Analyst**

- Crop yield modeling (Project manager): team of around 10 people working on the project, to cover all agricultural commodities and all producing areas. Quantitative analysis related to weather and production.
- CFTC COT reporting and quantitative analysis, working in funds behavior

**Graduate Program**

- Corn & Livestock Analyst (3 months)
- Physical trader assistant (Switzerland / Argentina) (2 months)
- Operations & Origination Desk (Argentina / Uruguay / Paraguay) (2 months)

**2010 GASELYS, France**  
**(4 months) Energy Analyst – Prop Trading Desk (internship)**

- Fundamental research, Quantitative analysis and modelling of the European power market

**2009 ELECTRICITE DE FRANCE, France**  
**(6 months) Analyst – Nuclear Fuel Department (internship)**

- Opex and Capex analysis in uranium mines
- Valuation of mining projects

**2006 - 2009 ECOLE DES MINES, France**  
**(7 months +) Mining Engineer (Short Internships)**

- GSM, Roussas, **France** - Mining Engineer in Quarry (2 months)
- AUPLATA, Cayenne, **French Guyana** – Mining Engineer in Gold Mines (3 months)
- RAMIRA, Baia-Mare, **Romania** – Worker in a Metal factory (2 months)

## EDUCATION

---

- 2017 - 2018**     **Udacity - Artificial Intelligence Nanodegree**  
6-months Udacity Nanodegree program about Artificial Intelligence (*exp. March 2018*)  
Emphasis on Deep Learning and NLP
- 2015**             **Chartered Alternative Investment Analyst (CAIA)**  
Graduated September 2015
- 2009 – 2010**     **ESCP EUROPE, France – United Kingdom**  
Specialized Master in Finance – Commodities & Market Finance, Option pricing theory, Asset management, Statistics, Economics, Time Series Analysis. *Professional Thesis*  
“Valuation of uranium exploration mining companies by real options” with Hélyette Géman
- 2006 - 2009**     **ECOLE DES MINES, Alès, France**  
Master of Science in Mining Engineering, minors in statistics, geostatistics and mathematics. Exchange semester at **Oviedo School of Mines, Spain**  
Diploma « Ramón Querol » - Oil & Gas resources
- 2004 – 2006**     **Lycée Pierre de Fermat, France**  
Top French preparatory classes to Engineering Schools

## LANGUAGES AND COMPUTER SKILLS

---

- Languages:**             **French:** Native - **English:** Fluent - **Spanish:** Fluent - **Portuguese:** Understood
- Programming:**       Python (Fluent)  
C++ (Medium)
- Data Analysis:**       Python (Numpy, Pandas, Sklearn, Matplotlib), Matlab (Fluent)  
Eviews, KNIME (Medium)
- Deep Learning:**       Keras, Tensorflow (Fluent)  
TFLearn, PyBrain (Medium)
- Relational Databases:** MySQL, Microsoft SQL Server, SQLite (Medium)
- Data Visualization:** Tableau, Power BI (Medium)
- Cloud services:**       Microsoft Azure (Medium)

## INTERESTS

---

Sports: Rugby (player / captain / coach), Swimming and CrossFit.

Strong interest in platforms providing high quality online courses partnered with worldwide universities.  
Among others:

- Machine Learning – Stanford University
- Energy 101 – Georgia Institute of technology's certificate
- Maps and the Geospatial Revolution – The Pennsylvania State University's certificate
- Economic Issues, Food and You – University of Florida's certificate
- The Power of Macroeconomics: Economic Principles in the Real World – University of California, Irvine's certificate
- How to become a Data Scientist – Le Wagon's certificate

Real estate: developed properties database and machine learning tools to screen and highlight underpriced properties in South East Florida, for personal investment. Currently applying same methodology for Switzerland.

Kaggle competitions.