Rue des Deux Ponts 20 – Appt. 34   **Gaël PAGES**   +41 79 861 40 20
1205 Genève   pages_gael@hotmail.com
French (Swiss Residence Permit C)   10/06/1986

Available immediatly

WORK EXPERIENCE

2013 - 2018   **Engelhart Commodities Trading Partners, Switzerland**
(formerly BTG Pactual Commodities)

Data Scientist - Systematic Trading (May 2015 – April 2018)
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 / Argentine / 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, Baïa-Mare, **Romania** – Worker in a Metal factory (2 months)

EDUCATION

2017 - 2018   Udacity - Artificial Intelligence Nanodegree
6-months Udacity Nanodegree program about Artificial Intelligence
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.