

## EDUCATION

---

### 2018 – 2019 : Ecole Nationale Supérieure des Mines de Nancy (France)

*Mathematics Master's Degree simultaneously with University of Lorraine.*

- Quantitative Finance (Portfolio optimization, Black-Scholes, Itô formula, VaR, Derivatives, ref: J. Hull).
- Spatial Statics and Bayesian Modeling, Information Theory.
- Statistics in High Dimension, Stochastic Modeling, Stochastic Modeling for Finance.
- Monetary Policy and Financial Markets, Macroeconomics, Microeconomics and Game Theory.

### Fall 2018 : Seoul National University (서울대학교), (Seoul, South Korea)

*Exchange program at College of Business Administration and College of Engineering.*

- Financial Accounting, Financial Statement and Firms Valuation, Numerical Analysis, International Business Management, Applied thermodynamics.

### 2016 – 2019 : Ecole Nationale Supérieure des Mines de Douai (Now IMT-Lille-Douai), (France)

- Mathematics : Complex Analysis/Probability/Statistics, Computer Science, Data Analysis(SPSS), Project Management, Physics.

### 2014 – 2016 : Two Years Intensive Course In Mathematics And Physics (Strasbourg, France)

- "Classes Préparatoires aux Grandes Ecoles" scientific at Lycée Kléber, a 2 year undergraduate intensive course leading to a national competitive entrance exam into French "Grandes Ecoles".

## WORK EXPERIENCES

---

### NaPoleonX – Financial Markets | Paris, France

Napoleon is the first 100% algorithmic Asset Manager piloting Trading Bots.

### May - Sep 2018: Quantitative Trading Strategy, AlgoTrading and IT Development (Internship)

I have discovered a trading strategy that has replaced the former one and that will be used on funds by NapoleonX. I worked with Stephane Ifrah (X 1992), Arnaud Dartois (X 1998) and Marc Des Ligneris (Centrale Supélec 2005).

- Research and Development of Quantitative Trading Strategy. I made several strategies on : S&P500, SX5E, FX, EUR/USD, ETH/USD, BTC/USD, ETH/BTC.
- Elaboration of Trading Bot so as to automatize my strategy.
- I've also help for the development of the platform and made my own trading interface.

### Air France Industries KLM Engineering | Paris, France

### May - Sep 2017: Strategic Buyer and Data Analyst (Internship)

- Analyzing voluminous data from Air France KLM and Suppliers with Excel and Access.
- Leading project so as to scrimp millions of dollar.
- Direction relationship and negotiation with supplier to buy new parts for aircrafts.

### "Sky'Mines" School Project | Douai, France

Construction of a spatial observatory. Operating budget: \$350,000.

### 2016 - 2017 Project Leader

- Managing a team of 5 engineers. Leading Meetings, and Negotiation with Major and Suppliers.

## IT SKILLS

---

- **Java 8:** Frameworks for API Rest/Web app: Spring, Spring Boot, Maven, JPA/Hibernate, for GUI: VAADIN.
- Financial Trading Strategy / Forecasting Data / Data Analyzing :  
**Python 3.7:** Libraries: Pandas, Cython, Quandl. Jupyter NoteBook.  
**R 3.5 – VBA – SQL**
- Pack Office Pro : **Access – Excel – Powerpoint – Word**

## LANGUAGES

---

**French:** Native speaker

**Italian:** Native speaker

**English:** Fluent (TOEIC 870)

**Japanese:** Basics

## AWARDS AND OTHER INFORMATION

---

- **Award:** Baccalaureat with Major in Math, Age 17, with Honours.
- **MOOC:** Ecole Centrale de Lille – Project Management & Institut Mines Telecom - Engineering Statistics
- **Security Manager** for "Cartel des Mines" A festive event of 1,700 engineering students over 3 days. Leading meeting with police, major, emergency, in order to create security plan.