



End of studies internship proposals.

TOGETHER WE INNOVATE !



SUMMARY

who are we ?

Our team

Our values

How to apply ?

PFE subjects 2021

WHO ARE WE?

ProC&C is a Tunisian company offering services, advice and personalized business solutions in various fields. Our experience began with civil aviation and airline catering. Today, ProC&C is focusing on other domains including insurance, fintech and blockchain.

ALWAYS REMEMBER !

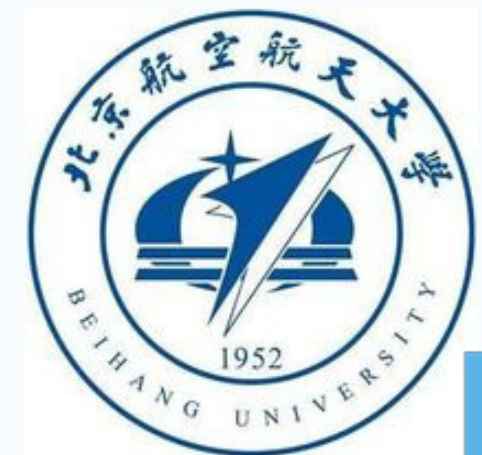
« PEOPLE DON'T BUY WHAT YOU DO, THEY BUY THE
REASON YOU DO IT. »

**SIMON SINEK,
AUTHOR AND ORGANIZATIONAL
CONSULTANT**



OUR TEAM

The strength of ProC&C lies in the rich and versatile experience of its team of engineers and researchers from major national and international schools.



OUR VALUES

Creativity



Perseverance



Exchange



Respect



Teamwork

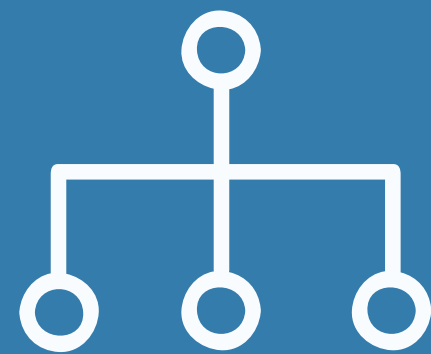


HOW TO APPLY ?

- 1) Choose the number of the internship offer ;
- 2) Send an email to contact@pro-c-c.com ;
- 3) Write in the subject of your email: [Internship - PFE] LAST NAME
First name ;
- 4) In the body of the email: write your motivations and aspirations for the chosen internship as well as your most adequate skills for the position ;
- 5) Your application will be taken into consideration by ProC&C within 48 hours maximum ;
- 6) You are called for a telephone interview ;
- 7) We will chose a new date for a remote or face-to-face interview ;
- 8) Last phone call to welcome you among us !



PFE SUBJECTS 2021



Software
Development



Data Base Architect



Data Science

SOFTWARE DEVELOPMENT - DL01

Implement data science algorithms for financial trading purposes.

OBJECT

6 months internship, full time, starting immediately. Possible subsequent permanent position.

REQUIRED SKILLS

- Scientific Computing: R, Python, Java, Javascript or similar + NoSql database understanding.
- Good level of French and English preferred, other languages are a plus.
- Good communication skills.
- Entrepreneur and autonomous.

SOFTWARE DEVELOPMENT - DL01

Implement data science algorithms for financial trading purposes.

ROLE

As an engineering intern, you will develop and test Machine Learning / Deep Learning methodologies in relevant domains including Time Series Forecasting, predictive modelling, NLP, Computer Vision or Reinforcement Learning in order to convert trading tactics into a structured model / piece of analysis. This means:

- Develop and implement a set of algorithms based on different trading techniques with selection criteria on what to apply and when.
- Confirm costs to get data and execute the algorithms on different time schedules (data every minute or other time intervals).
- Develop required algorithm tuning and evolutions.
- Develop unit tests and integration tests to maintain quality and avoid regressions.
- Suggest new methods to automate data analysis and reduce time costs.

DATA SCIENCE- DS01

Design and test data science models and algorithms for financial trading purposes.

OBJECT

6 months internship, full time, starting immediately. Possible subsequent permanent position.

REQUIRED SKILLS

- Final year in a quantitative field study (Operation Research, Engineering, Applied Math, Statistics, Analytics, Data Science, Economics etc)
- Solid understanding of statistical modeling/machine learning/ data mining.
- Ability to recognize patterns in large datasets.
- An understanding of financial mathematics, including asset pricing theory, probability and statistics.
- Scientific Computing: R, Python, C++, Java, Scala or similar
- Good level of French and English preferred, other languages are a plus.
- Good communication skills to explain insights to users/customers.
- Entrepreneur and autonomous.

DATA SCIENCE - DS01

Design and test data science models and algorithms for financial trading purposes.

ROLE

As a Data Scientist intern, you will design and test Machine Learning / Deep Learning methodologies in relevant domains including Time Series Forecasting, predictive modelling, NLP, Computer Vision or Reinforcement Learning in order to convert trading tactics into a structured model / piece of analysis and explain the derived insights. This will mean:

- Design and test a set of algorithms based on different trading techniques with selection criteria on what to apply and when.
- Validate different algorithms by testing them on historical data.
- Recommend the right Algorithm based on market type (e.g. commodities, Xrate, Gold etc) and on market situation (growing-stable-decreasing).
- Continuous monitoring and calibrating of the running models.
- Identify areas for further investigation as well as creating innovative methods of analysis.



DATA ARCHITECT INTERNSHIP - DA01

Design, test and Implement data persistence models and systems for financial trading purposes.

OBJECT

6 months internship, 100%, starting immediately. Possible subsequent permanent position.

REQUIRED SKILLS

- Scientific Computing: Sql and NoSql database understanding, Data modeling methods...
- Good level of French and English preferred, other languages are a plus.
- Good communication skills.
- Entrepreneur and autonomous



DATA ARCHITECT INTERNSHIP - DA01

Design, test and Implement data persistence models and systems for financial trading purposes.

ROLE

As a Data Architect intern, you will design and develop database objects and systems in NoSQL in order to store insights and knowledge base for our new machine learning application. This will mean:

- Design and develop a database system to stock data in real time.
- Develop a testing mechanism to ensure data consistency and availability.
- Confirm costs to get data and execute the algorithms on different time schedules (data every minute or other time intervals)
- Continuous monitoring and calibrating of the running models
- Identify areas for further investigation as well as creating innovative methods of storing and consuming data.

COME AND CHAT WITH US !



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