CALAMAI Tom

Engineering student

Looking for an internship starting in April

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🌐 linkedin.com/in/tom-calamai

🌐 github.com/tcalamai/portfolio

Skills

Languages: Python, Java, Matlab, R, SQL
Notions : HTML, CSS, php, C/C++
Simulation : Ansys
Design : AutoCAD, CATIA
Other: MS Office, JIRA, Git
AWS: Sagemaker, S3, RDS, Quicksight, Redshift, Athena, Glue

Extra-Curricular

Sports :
rugby player since 9 years old, played in university team and in Singapore Rugby Union national league.

Games Development :
Many small project made during High School including a top-down scrolling game with a procedural generation of obstacles made with Unity3D.

Travels :
Malaysia, Indonesia, Singapore, Europe

French teacher :
Prepare and conduct one hour french lessons to individual student in Singapore.

Work Experience and Internships

Nov'19 **Data & Innovation Intern (6 months)** AXA, Singapore
Building and deployment of AXA data processing system as part of the migration process.
- understand current SAS scripts
- build new python scripts that transform data and support all operation in Singapore.
- extensive use of Pandas and Jupyter

May-Oct'19 **Data Science Intern (6 months)** Wedoogift, Paris
Explore and develop machine learning solutions for several projects such as demand forecasting or fraud detection.
- Python code prototyping for data algorithms
- Production of documentation and reports on my results, progress presentation to tech and non-tech audiences
- Extensive use of pandas, matplotlib, scikit-learn and sagemaker (AWS) for machine learning.

As first full-time member of the data science team, I had to be autonomous. I also helped to organize and structure processes.

Aug'18 **Airplane Cleaner (1 month)** Luxair, Luxembourg
Cleaning and maintaining aircraft cabins during night shifts. Had to demonstrate team spirit and cooperation.

Education

Sep '17-'21 **Engineering School** Ecole Centrale de Lyon, Lyon
Master's degree level and versatile training in engineering mainly focused on :
- **Mathematics** : Stochastic processes, Statistics, Probability, Time Series Analysis
- **Computer Science** : AI/Deep Learning, Collaborative algorithms and applications, software engineering (Java)
- **General engineering** : Electrical energy and Systems Control, Signal Processing, Solids Mechanics and Structures, Physics

Sep '15-'17 **Undergraduate Classes** Lycee Kleber
2 year intensive program to prepare Nation wide entrance examination for top engineering schools. It required commitment, organization and hard work in order to master high level mathematics and physics

until Aug'15 **High School diploma in Science** Lycee Saint-Pierre-Chanel

Project and other

'18-'19 **Industrial Project for SAFRAN Nacelles** Ecole Centrale de Lyon
Structure of a pivoting-door thrust reverser : structural optimization and 3D printing fabrication

'17-'18 **Study Project for HP Mars Home Planet** Ecole Centrale de Lyon
Designing and modelling an airlock for a structure on planet Mars

'18-'19 **Coach of the girl's rugby team** Ecole Centrale de Lyon
I had to prepare, organize and conduct training sessions adapted to the need of a twenty-player team

Electives and MOOCs

'19 - '21 **Electives** Other courses
Mathematical tools for biological problems, Mathematics : order within chaos, dielectric and semiconductor physics, Quantum computation and quantum information, finite element method