

PERSONAL DETAILS

Birth August 2, 1994
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EDUCATION

Masters degree in Fluid Mechanics and Energetics

2016-2017

Université Lyon 1 - Ecole Centrale de Lyon

Combustion, Flow Stability, Statistical Physics, Turbulence, High Performance Computing (MPI), Polyphasic and Complex Flow, Finite Volume Method

Mechanical Engineering

2014-2017

Ecole Polytechnique Universitaire de Lyon (EPUL)

Solid Mechanics, Continuum Mechanics, Fluid Mechanics, Thermodynamics, Fourier and Laplace Transform, Complex Integration. FDM, FEM, FVM and introduction to Spectral Methods, use of Fluent, ADAMS, PATRAN

Preparatory Classes

2012-2014

Université Lyon 1

Baccalauréat : Scientific

2011-2012

WORK EXPERIENCE

Monitoring and troubleshooting on Caterpillar heavy machinery

Summer 2016

Zoko Enterprises, Holon - Israel

With a team of engineers, I had to perform monitoring and troubleshooting on Caterpillar heavy machinery. Internship in English and Hebrew.

5 Month Internship

Spring 2016

LMFA (Laboratoire de Mécanique des Fluides et Acoustique), Lyon - France

Numerical instigation of spiral internal waves generated by a helical forcing. We used a distant computer cluster (Newton) to perform heavy numerical simulation using the *Lattice Boltzmann Method*. Learnt on the job Python, Unix OS. Report (in French) and references available upon request.

Campus Création

2014-2015

With teammates reached semi-final of a regional competition 'Campus Création' : we had to imagine a concept and to develop it into a company by analyzing the market, estimating costs, growth, within 3 years of existence.

SKILLS

Languages

French (mother tongue)
English (advanced)
Hebrew (intermediate)

Programming

C/C++, L^AT_EX, Python, Sbatch, SLURM, HTML
Dealing with HDF5 using Python and C/C++
Use of Lattice Boltzmann Method
Parallel programming using MPI
Use of Spectral Methods to solve generalized eigenvalue problem

Software

Matlab, ANSYS - Fluent, Catia V5

Miscellaneous

Ableton : Live 9
WIX
Guitare

REFERENCES

Available upon request