

# Baptiste Nicolet

Creative, reliable and hard-working engineering student with a passion for computer science seeks a 10-12 weeks internship to utilize and optimize his skill set.



+33 647 458 266



baptiste.nicolet@polytechnique.edu



in/baptiste-nicolet-44561b134

## Education

### Master of Science ( Cycle ingénieur polytechnicien)



*Ecole Polytechnique, Palaiseau, France*

*Since Sept, 2016*

Pluridisciplinary engineering and science studies, with a major in computer science.

- Best engineering school in France. Created in 1794.
- Military school: basic training and 6 months immersion in the French army as an officer .
- To apply to Ecole polytechnique, students have to take a very selective competitive exam (less than 1 % succeed every year) .
- Computer Science courses taken : Object Oriented Programming with Java, Design and Analysis of Algorithms, Concurrent Computing, Advanced Programming, Introduction to Big Data, Web Developpement.
- Other courses taken : Cellular Biology, Organic Chemistry, Continuum & Fluid Mechanics. Quantum Mechanics, Economy, Statistics...
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### Physics and Mathematics (bachelor equivalent) degree



*Collège Stanislas, Paris, France*

*Sept, 2014-July, 2016*

« Classes préparatoires » : Intensive 2 years preparation for competitive entrance exams to French most elite engineering schools (Grandes Ecoles).

- Advanced mathematics, physics and chemistry studies
- Preparation for written and oral examinations.

## Experience

### Mathematics examiner



*Collège Stanislas, Paris, France*

*Since Sept, 2017*

Oral examiner:

- Evaluate students in their first year of « Classes Préparatoires »
- Teach them a way around solving complex mathematics problems.

### Paramedic Team Leader



*Paris Military Fire Brigade, Vitry, France*

*Oct, 2016 – March, 2017*

The Paris Military Fire Brigade is entrusted with the fire protection and emergency relief in Paris.

- Very prestigious unit of the French military, difficult selection to join it.
- Leader of a team of 2 paramedics, had to manage emergency situations.
- Coached servicement for promotion exams
- Officer in the French ground troops

## Projects

### Mars Sample Return

*Mars City Design Contest*

*Since Sept, 2017*

Design and prototyping of a balloon that could collect soil samples on Mars. Team of 5 engineering students



- Simulations using python and netCDF databases
- Theoretical study of the balloon's behavior in Mars atmosphere
- Graphics design for the competition
- Currently running in semi-final

### 3D Scanner

*Collège Stanislas, Paris, France*

*Oct, 2016– March, 2016*



Applied project for the competitive entrance exams of the « Grandes Ecoles » (TIPE).

- Designed and built a 3D scanner
- Python and Arduino programming
- Very satisfying results

## Computer Skills

<b>Softwares</b>	Solidworks, Fusion360, SublimeText, Office package, Adobe Suite, Blender
<b>Languages</b>	C, Java, Python, HTML5, CSS, PHP, SQL, JavaScript
<b>Databases</b>	MySQL

## Communication skills

<b>French</b>	Mothertongue
<b>English</b>	Fluent
<b>Spanish</b>	Intermediate
<b>French Sign Language</b>	Begginner

## Personal

<b>Sports</b>	Member of ecole Polytechnique Swimming Team, scubadiving, skiing, sailing
<b>Hobbies</b>	Modelmaking, guitar, piano, amateur filmmaking, graphics design, 3D animation, learning about deep learning and web hacking through online courses
<b>Diplomas</b>	PSE1/2 Rescuer diplomas, Car driving licence (B), boating license