

# Jean Pignet

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## SUMMARY

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Biomechanical engineer / Computer programmer/ Data processing / Matlab / HumanBuilder  
(CatiV5/Delmia)

## EXPERIENCE

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National Scientific Research Center (CNRS)

Dijon, France

### Study engineer specializing in biomechanics

Feb 2020 – Feb 2021

- Collaborative work meeting the needs of AIRBUS
- Implementation of a methodology allowing a biomechanical analysis of pilot posture in airplane.
- 3D Motion Capture analysis processed under catiaV5 by the HumanBuilder module.
- Kinematic reconstruction and analysis using Phyton programming language

Nexter Systems

Versailles, France

### Vibratory environment engineer intern

Mar 2019 – Aug 2019

- Control and improvement of the vibratory comfort of seats in armored vehicles.
- Use of Matlab software and Siemens - TestLab to process vibratory signals.
- Work with other units to improve seat transfer functions and improve vibrational comfort.
- Signal processing done in Matlab

Compressport

Besançon, France

### Basic research internship

Apr 2018 – Jun 2018

- Study of the effect of compression on the propagation of muscle oscillations in the lower limbs.
- Application in the case of running.

## EDUCATION

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### Technical science of physical and sports activities | University of Reims | France

From:

Master's degree - Engineering and Ergonomics of Physical and Sports Activity

2017 – 2019

Position: 7/20

### Technical science of physical and sports activities | University of Reims | France

From:

Bachelor's degree - Ergonomics of Sport and Motor Performance

2014 – 2017

Position: 20/47

## SKILLS

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**Programs/Software:** Front End (HTML/CSS), Back End (Java, Python), Programming in Matlab | R (basic statistic), Siemens – TestLab | Tecnomatix ProcessSimulate, 3D software, HumanBuilder (CaitaV5/Delmia),

**Highlights:** TeamWork, adaptability, Leadership, versatility, hardworking and motivating.

**Languages:** Native French, Intermediate English.