



# Gabriel Schell

French general engineering student

Passionate about fighter jets and IT



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## Education and Qualifications

### 2024-2027 Engineering at Icam Vendée

Three year Master's Degree Sandwich Course in Mechanical and Electrical, at Mecachrome

### 2022-2024 BTS Automatic System Design and Production (CRSA) at Icam Vendée

Equivalent to BTEC HND

### 2021 Baccalauréat, Maths & Physics

## Work Experience

### Engineering apprentice, Mecachrome, high-precision machining

(Sablé-sur-Sarthe, France - 2024-2027)

Porsche, Dassault and Safran supplier

Simplify and standardise post-processors for the digital CAD/CAM chain for the various sites

Development of new functionality, tools and code optimisation

### Technical internship, ANIOS Laboratoires , medical disinfection

(Sainghin-En-Mélantois, France - June/July 2022)

Drafting documentation for operators

Assembling an industrial packaging machine

Identifying physical computer attack vectors by mapping physical network

### Operator internship, CLIX Industries, bonding assembly

(Toulouse, France - juillet 2021)

Fournisseur du CNES

Aluminium and plastic honeycomb cutting

Profile assembly, moving and finishing tables for the food processing industry

## Miscellaneous

### Professional Softwares & Programming languages - since 2022 :

Solidworks

Structured Text, Graphcet/SFC, Ladder, Python, Node.JS

Control Expert, TIA Portal

### Languages :

English, C1 (Cambridge Certificate)

German, A2

## Hobbies

### Aeronautics - always:

Participating in feedback sessions with French Air Force and Navy personnel

Moderating a feedback session with an ALAT (French army light aviation) ATC

Military flight simulation (DCS World, since 2020)

Air traffic control simulation (LotATC, since 2022)

Leader of an international team of 30 people during a 3-month CTF on DCS World

Airshows: Bourget, Lens, Bondues, Toulouse

Aeronautics Initiation Certificate, High Honours (2018)

### IT - since 2015:

Self-hosting: Nextcloud, Home Assistant, Pi-Hole, Portainer, ...

ADS-B station (to receive signals from aircraft, providing real-time flight information)

Self-built PC, use and maintenance of servers ( including a PowerEdge R720)

Programming tools in Python, Node.js

Building projects (IoT Sensors & Button box ) with Arduino and ESP32

## References

### Laurent FLACELIÈRE:

Mecanical Teacher & Legal Expert

laurent.flaceliere@icam.fr

### Alain FORSTER:

CAD/CAM Technical Coordinator Mecachrome Group

alain.forster@mecachrome.com