



# ALEXIS VIALLESSECHE

Hardworking, disciplined, and reliable, I am a 4th-year engineering student who is respectful, punctual, and a good listener. I adapt easily to new environments and work efficiently both independently and in a team. I am currently seeking an internship starting in April 2026 (minimum 3.5 months) in the field of Networks, Telecommunications, and Cybersecurity.

## PROFESSIONAL EXPERIENCE

### Seasonal, CHIVA, Saint-Jean-de-Verges 2022-2025

- Environment Service Assistant
- Patient Transport

### Seasonal, CAPA, La-Tour-du-Crieu 2025

- Technician and storekeeper

### Seasonal, Viviers Cathare, Montbel 2024

- Aquaculture Worker

### Seasonal, Cavigchiolo Farm, Seignalens 2020-2022

- Agricultural Worker

## PERSONAL PROJECTS

### Line-Following Robot

-Built an autonomous robot capable of following a black line using infrared sensors. Integrated a lightweight AI allowing it to memorize maze traps and find the exit instantly when reintroduced at the maze entrance.

### Automated Board Game

-Developed, with my extracurricular robotics club, an automated Nim game featuring a robotic board that manipulates pieces autonomously. Designed a system allowing a player to compete against a computer programmed to always win.

### Educational Video Capsule - Astronomical Clock Project

-Created a series of short educational videos explaining key astronomy concepts (celestial sphere, local horizon, ecliptic, astrolabe, declination, sidereal time, etc.) as part of a project automating an astrolabe into a functional clock.

## EDUCATION / CERTIFICATIONS

### Uppsitech, Toulouse

- Engineering school 2024-2027
- Networks, Telecommunications and Cybersecurity

### CUPGE - Paul Sabatier University, Toulouse

- CUPGE - MP2I (Mathematics, Physics & Computer Science) - 2023

### French General Baccalaureate, Mirepoix

- Specializations : Mathematics, Physics Chemistry, Life & Earth Sciences
- Optional modules : Sports and Expert Mathematics

### Aeronautics Initiation Certificate (BIA)

- Independent candidate, Saint-Girons - 2020

## MY PROFILE

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31 rue Jacqueline Auriol 31400 Toulouse

Born on April 15, 2004

Category B driving license

## INTERESTS

|          |        |            |
|----------|--------|------------|
| Cycling  | Rugby  | Nature     |
| Football | Ski    | Technology |
| Running  | Hiking | Food       |

## COMPUTER SKILLS

|            |            |        |
|------------|------------|--------|
| PostgreSQL | Arduino    | Bash   |
| C          | VirtualBox | Fusion |
| PHP        | Java       | MySQL  |
| HTML       | UML        | Docker |
| CSS        | VsCode     | Socket |
| Python     | PowerShell |        |

## OTHERS SKILLS

|                         |                         |
|-------------------------|-------------------------|
| Mathematical analysis   | Artificial intelligence |
| Algebra mathematics     | Conception              |
| Probability mathematics | Neural networks         |
|                         | graph theory            |
| Economy                 |                         |
| Project management      | Windows Administration  |
| Business management     | Linux Administration    |
|                         | Database creation       |
| Electricity             |                         |
| Fiber Optics            | English (B2)            |
| Oscilloscope            | Italian (intermediate)  |
| Electromagnetic         | Japanese (beginner)     |