

# WALID CAVELIUS

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## Education

**University of Technology of Compiègne** **Sept. 2021 – Jul. 2026 (expected)**  
*Master of Engineering, Computer Science – Specialization in ML and Data Science.* *Compiègne, France*

**Lycée Louis Vincent** **Sept. 2018 – Jul. 2021**  
*Baccalauréat (A-levels) with majors in Mathematics and Computer Science – First class honours.* *Metz, France*

## Experience

**Le Bras Frères** **Jan. 2022 – Feb. 2022**  
*Industrial placement – Carpentry* *Jarny, France*

- Observation of industrial production systems.
- Worked on the construction and installation of wooden structures and fixtures.

## Projects

**UTC Film Club website** | *SvelteKit, HTML, CSS, Javascript, SQL* **2024 – Present**

- Creation and maintenance of a database of the movies seen based on the TMDB database using an API.
- Implementation of an authentication system to enhance user experience, allowing members to log in and participate in the film club community.
- Integration of a dynamic rating system, empowering users to share their opinions and rate movies they have attended screenings for, contributing to a collaborative and engaging film-watching experience.

**Expert system development** | *Lisp* **2023**

- Designed a knowledge base with rule sources, presented deduction tree, and provided test cases.
- Executed the development of the expert system in Lisp, demonstrating its suitability for efficient fact processing and rule exploitation in providing personalized tips for video game players based on their in-game information.

**School integration 2023 websites** | *HTML, CSS, JS, Laravel, Angular* **2023**

- Developed the UTC 2023 integration's official website.
- Developed a task allocation website, streamlining the assignment of responsibilities to organizers based on automated time slots.

**Suite of applications / websites** | *Python, HTML, CSS, Javascript* **2021**

- Websites in HTML, CSS and Javascript : tic-tac-toe, online library, etch-a-sketch
- Multiple algorithms / applications in Python : encryption/decryption algorithms, search, sorting; applications with interfaces (tic-tac-toe, connect 4).

## Skills

**Languages:** french (native), english (fluent), german (good knowledge, written and spoken).

**Programming languages:** C, Python, HTML/CSS, JS, SQL, Lisp.

**Tools/Technologies:** Git, SvelteKit, VSCode, Linux, Github, Office Suite, Adobe Photoshop.

## Extracurricular

**UTC Film Club** **Sept. 2022 – Present**  
*Projectionist* *University of Technology of Compiègne*

- Choosing and projecting movies in an auditorium of the university.
- Communication and promotion of the screenings.

**Associative event Compiègne en Lumière** **Sept. 2022 – Mar. 2023**  
*Organizer of the concert* *University of Technology of Compiègne*

- Planning a concert in a team of three students for a UTC organization.
- Management of the concert budget of 12 000 euros, search for the artists and management of the relations with the artists, the providers and the partners.
- Communication and promotion of the event.