

# Titouan Loeb

## Software engineer - 2 years of experience

Over 2 years of experience. I work at Powder, saving hours of work for gaming creators using AI. Bilingual in French and English.



## EXPERIENCE

### Powder AI - C++ Software developer (team: 6 people)

APRIL 2022 - AUGUST 2022 (INTERNSHIP) || SEPTEMBER 2023 - NOW (CDD + CDI)

- Developed algorithms to detect key moments in audio, chat and Twitch clips.
- Implemented GPU-accelerated video decoding, reducing by 50% the processing time.
- Created automatic montages and VFX using shaders, saving ~4 hours per montage for content creators.

**Stack:** C++, Git, DirectX11, HLSL, FFMPEG, Visual Studio, English daily, Communication, Teamwork, Problem solving, Vulgarization, Agile.

### Pixi Soft - Software developer (autonomy)

SEPTEMBRE 2020 - DECEMBRE 2020 (INTERNSHIP)

- Designed and developed client interfaces for file format specifications.
- Developed file conversion procedures (TXT, CSV, XML) according to the file specifications, saving 20+ hours of development per new client.
- Created and managed the SQL Server database.

**Stack:** Windev, Webdev, SQL server, Autonomy, Adaptation.

## PROJECTS

### Sorting competition (Personal)

- Developed 10 sorting algorithms.
- Utilized multi-threading and tests for benchmarking.



**Stack:** C++, Multi-threading, Git, CI/CD, Makefile, Unit tests, C++ Templates.

### Visit report (Mission) - Tailored note-taking app

- Created a note-taking app utilizing: speech to text, camera, audio recordings and address detection, granting flexibility to the client.
- Automated email generation from notes, saving ~2 hours/week.



**Stack:** Flutter, FlutterFlow, API, Git, UI Design, Figma.


### Sleeq (School): Cross-platform e-wallet (OCR)

- Created the UI and logic for the file management system.
- Created and managed the MongoDB and Firebase databases.
- Implemented in-app payments with Stripe.



**Stack:** Flutter, FlutterFlow, Firebase, Stripe, Git, Cloud functions, Teamwork.

## CONTACT

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 [github.com/Titouan-Loeb](https://github.com/Titouan-Loeb)

 [Portfolio](#)


 Paris


## LANGUAGES

 French Native

 English TOEIC (895/990)

## HOBBIES

 Sports  
Running (Marathoner),  
Skateboard, Snowboard

 Music  
Piano (self-taught), Beat-box  
(self-taught), Daily Listening

## EDUCATION

- SIT - Tokyo, Japan  
2022 - 2023 (1 YEAR)  
Robotics and computer vision
- Epitech Paris & Barcelone  
2019 - 2024 (5 YEARS)  
Degree "Expert en technologie de l'information" (RNCP 7)
- PSE1, PSE2 - First aid  
2018 - 2020 (2 YEARS)  
Volunteer first-aid at "La Croix Blanche"
- "Baccalauréat S" with honors  
2019