

Titouan Loeb

Software engineer

Code athlete, algorithm virtuoso.



EXPERIENCE

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

APRIL 2022 - NOW (INTERNSHIP + CDD)

- Developed algorithms to detect key moments in audio, chat and Twitch clips.
- Implemented GPU-accelerated video decoding, dividing by 2 the processing time.
- Created automatic montages and VFX using shaders.

Stack: C++, DirectX11, Visual Studio, English daily, Team work, Communication, Vulgarization, Agile, Github projects.

Pixi Soft - Software developer (autonomy)

SEPTEMBRE 2020 - DECEMBRE 2020 (INTERNSHIP)

- Designed client interfaces for file format specifications.
- Developed file conversion procedures (TXT, CSV, XML).
- Created and managed the SQL Server database.

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

PROJECTS

Sorting competition (Perso)

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

Stack: C++, Multi-threading, GitHub actions, C++ Templates, Makefile, Unit tests



Visit report (Mission) - Tailored note taking app

- Created a note taking app utilizing: speech to text, camera, audio recordings, address detection.
- Automated email generation from notes.


Stack: Flutter, FlutterFlow, API

Sleeq (School) : Cross-platform e-wallet (OCR + AI)

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


Stack: Flutter, FlutterFlow, MongoDB, Firebase, Stripe API, Postman, Github projects

CONTACT

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 github.com/Titouan-Loeb

 [Portfolio](#)


 Paris


LANGUAGES

 French Native

 English TOEIC (895/990)

HOBBIES

 Sport
Running (Marathoner),
Skateboard, Snowboard

 Music
Piano (Self taught), daily
listening

EDUCATION

● SIT - Tokyo, Japan
2022 - 2023 (1 AN)
Robotics and computer vision

● Epitech Paris & Barcelone
2019 - 2024 (5 ANS)
Degree "Expert en technologie de
l'information" (RNCP 7)

● PSE1, PSE2 - First aid
2018 - 2020

Volunteer first-aider at "La Croix
Blanche"

● "Baccalauréat S" with honers
2019