







# THOMAS DALLARD

Game Programmer

Attracted by logic,  
I found my passion in algorithms, code architecture and mathematics.  
Always listening, I want to improve my skills and knowledge to found my own company in the future.

## CONTACT

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## SKILLS

Domains	Tools & Softwares	Programming Languages	Languages
Engine Tools 3D Rendering Networking Multithreading AI UI Programming	Unreal Engine Unity 3D OpenGL / Vulkan Git / Perforce Trello	C / C++ C# / Java GLSL / HLSL Python	French : Native English : Professional proficiency Japanese : Intermediate level

## PROJECTS

<b>Undercover</b> 2022 - Present	<b>Network Developer</b> Managing the replication of a multiplayer game, as well as the setup of a server on AWS and with LAN.
<b>ARE</b> 2021 - Present	<b>Rendering Programmer</b> Creating a rendering engine and its entire pipeline with Vulkan. Tutorials available on Youtube.
<b>RTS Project</b> 2022	<b>AI Programmer</b> Invented a decision-making system for the strategic and tactical layer for the AI of a RTS Game, and presented it during the GT IA conference.
<b>GP Engine</b> 2021 / Jan-Jun	<b>Engine Programmer</b> Founded a 3D game engine from scratch with an editor and a game to test it. Made the serialization (scenes, prefabs, inspector generation), 3D skeletal animations, hot reload, and the project l'architecture (dll etc).

## EXPERIENCE

<b>Hawkswell</b> 2022 - Present	<b>Unreal Engine 5 Tools &amp; Engine Developer</b> Creating tools and improving the editor to extends its fonctionnalities to improve the workflow of other programmers and designers.
<b>Hyperseries Syloe</b> 2022 / Jan-May	<b>Unity UI Programmer</b> Managed the UI and its architecture, its optimization (canvas, batches...), and helped integrating apis (facebook, twitter) and parsing json.
<b>Isart Digital</b> 2020 / Aug	<b>Sandbox Assistant</b> Taught C to students by helping them doing exercises and grading their code.

## EDUCATION

2019 - 2023 **Lead Developer Master**  
Isart Digital

## INTERESTS

Games	Japanese Culture	Sports
Minecraft Among Us Chess	Light Novels Mangas Anime Visual Novels	Aikido Judo