Thomas Keita

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# Work Experience

## Rendering Intern

Ubisoft Québec - Quebec City, QC  
August 2023 to December 2023

I was part of the 3D programming team at Ubisoft Quebec during my second internship at this studio.

Responsibilities:

* Develop code in C++, HLSL, and C#;
* Understand 3D programming concepts;
* Develop 3D programming features;
* Communicate with artists;
* Manage feature deployment;
* Debugging;
* Independent remote work;

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Software Development Intern  
Rheinmetall Canada Inc. - Saint-Jean-sur-Richelieu, QC  
January 2022 to May 2022

Developed software to remotely control a robot.  
Responsibilities:

* Develop code in Java;
* Create user interface functionalities;
* Manage task planning;
* Debugging;
* Independent remote work;

Software Development Intern  
Engrenages Spécialisés Inc. - Richmond, QC  
May 2021 to August 2021

Completely developed an application to optimize employee work.  
Responsibilities:

* Develop code in Python;
* Independent work;
* Application design;
* Understand and reproduce old code (in BASIC);
* Database (SQLite);

# Education

**Bachelor's in Computer Engineering**  
Université de Sherbrooke - Sherbrooke, QC  
August 2020 to December 2024

Acquired multiple skills, including :

* C++ et Python;
* Linux;
* Artificial Intelligence with Python (PyTorch, TensorFlow);;
* Networks and communication protocols;
* Internet of Things (IoT);
* MVC;
* Agile methodology;

AI course with Python (PyTorch, TensorFlow).

Major robotics design project: HomoDeUs project.

* Creation of a server robot with the TIAGo by implementing HBBA (Hybrid Behavior-Based Architecture).
* Contribution: Grasping module and arm movement algorithm development.

## DEC in Computer Science and Mathematics

Cégep Limoilou - Quebec City, QC  
August 2016 to December 2019

Courses on programming, exclusively in Java, with a focus on object-oriented programming.

# Skills

* C++
* Python
* Java
* C#
* PyTorch
* Confluence
* Visual Studio
* TensorFlow
* GitHub
* HLSL
* C
* Jira

# Langues

* French - Fluent
* English- Advenced