**C++ Programmer**

Swave Photonics is a fabless semiconductor company that designs and markets holographic chips based on proprietary diffractive photonics technology.

Our mission is to enable display manufacturers and content creators to disrupt the visualization market with immersive ultra-high resolution, life-like, true holographic displays.

With the Swave team you will create a new world where holographic displays give everyone the power to visualize the impossible, collaborate and accomplish more.

**Role and responsibilities:**

* As C++ Programmer, you will help us shape the software interfaces and backbone of the future of holographic displays.
* Using your skills in software design and modern C++ you can drive the development of a clean deployment ready software codebase and demonstrators. Various high-performance / real-time C++/CUDA development code bases will be available as building blocks.
* You will be responsible for driving and overseeing the development / structure of cross-platform libraries + CLI’s + GUI’s which will be our future software interface with customers.
* You are responsible for overseeing work on user interfaces and defining various APIs and interfaces in correspondence with the algorithms team and customers.
* As an expert team member you will be working in close collaboration with the algorithm development team based on client requirements.

**Qualifications**

* You have at least 7 years of experience in C++.
* You can showcase a good intuition for software architecture from past projects. We value well thought-out software design over agile programming. Though some adaptive/agile programming will be required as well.
* You are comfortable in using C++17 and open to use C++ 20 etc.
* You have proven experience in GIT versioning system and continuous integration/ automated code refactoring (beautifiers etc.).
* You have proven experience in building projects with modern CMake.
* You are experienced in cross Platform (Mac, Linux, Windows) application development.
* Good knowledge on writing high-performance CUDA is a strong plus.
* Experience in GUI design with high-quality user experience is a strong plus.
* You are hands-on and have a pragmatic approach to solve complex challenges.
* You are able to work in a fast-paced startup environment.
* You are able to communicate effectively in English.

**What we offer you:**

* An attractive salary package, in line with your knowledge and experience.
* A challenging work environment with plenty of opportunities to keep developing yourself and your skills.
* Sufficient flexibility to maintain a healthy work-life balance.

**Location:** Leuven, Belgium. Remote work options.

Apply at [careers@swave.io](mailto:careers@swave.io)