

# CONSTANTIN VERINE

Bachelor of Science – Expected July 2025

## CONTACT

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## EDUCATION

September 2022 - Present

**SAE Institute Geneva**

Bachelor of Science in Games Programming

August 2021 - December 2021

**Swiss Army**

Officer School

Level 1 Command Certificate

September 2016 - June 2019

**CFPT-I, Geneva**

Federal VET Diploma (CFC) in  
Software Development

## SKILLS

C++

C#

Python

Unity

Unreal Engine 5

Visual Studio

Cmake

GIT

Perforce

Wwise

Emscripten

HTML - CSS

PHP

SQL

## SOFT SKILLS

Leadership

Plannification

Communication

Teamwork

## BACKGROUND

Motivated and detail-oriented graduate in Games Programming with strong skills in C++, Software, tool and game development. Successfully contributed to multiple projects, including gameplay systems, sound integration and level design, with a focus on performance and user experience. Eager to apply my technical knowledge in a professional environment while continuously learning and improving as a developer.

## EXPERIENCE

**Lieutenant: Section Leader and Acting Company Commander** (January 2022 – May 2022)  
Swiss Army

- Completed training in leadership and methodological skills.
- Strengthened social and interpersonal competencies.
- Gained practical experience in daily military operations.
- Analyzed and structured complex problems under high physical and time pressure.
- Developed and implemented targeted, effective solutions.

### Programming Projects

SAE Institute & Personal Work (September 2022 – Present)

- Developed multiple academic and personal projects using C++, Unreal Engine 5, and Unity.
- Created a 3D physics engine, featuring SPH fluid simulation with an octree-based collision system and a spatial hash grid.
- Implemented gameplay systems and integrations in Unreal Engine 5, with a focus on modularity and team collaboration.
- Built custom tools to analyze and generate game-related data

### President of a Student Association

Academia Genevensis (August 2024 – Present)

- Led a team of students in organizing academic, cultural, and social events.
- Represented the association in university-wide councils and contributed to student policy discussions.
- Coordinated members and outside contacts to organize events, while overseeing the association's budget and allocating resources effectively.

## LANGUAGES

French: Native                      Russian: Native                      English: Fluent  
German: Intermediate