

SOFTWARE ENGINEER

Nolan Chappuis

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PROFILE

Passionate about software development, I am seeking a position within an innovative company where I can apply my programming and design skills to contribute to diverse and challenging projects.

LANGUAGES

French
First language ● ● ● ● ●

English
Level C1 ● ● ● ● ●

German
Level B2 ● ● ● ● ●

BUSINESS SKILLS

Agile development Scrum Testing
Fullstack DevOps Planning
Documentation

TECHNOLOGIES

Languages & Libraries

C / C++ / C# Java / Kotlin
Python Scala R SQL React
TypeScript

Environments

Visual Studio Code Android Studio
Unity Eclipse

CERTIFICATION

Professional Scrum Developer I

April 2025

PROJECTS

VR pedestrian simulator

Master Project

- Created a virtual simulator to sensitize pedestrians for the TCS
- Implemented an asymmetrical solution to allow a person on a computer to control the ongoing session
- TCS-DS/tcs-vr-pedestrian

Web development

Memory Project

- Created a website to research informatics tasks
- FullStack development using Next and React
- Jnf14/bebras_web

Virtual Reality Game

Semester Project

- Created a virtual reality game using Unity and an omnidirectional treadmill
- Nchappui/VR_GAME

Relational database with interface

Bachelor project

- Created a database for DNA barcoding
- Nchappui/Genorobotics

Android drone control application

Software Development Project

- Created an android application for an EPFL startup
- Won the price for the best application
- Ph0tonic/SDP_Projet

EXPERIENCE

Developer internship

Lab4Tech

📅 April 2025 – current

- Learning computer science concepts and technologies with the aim of obtaining certifications such as Azure Cloud and Agile development

VR software developer intern

Touring Club Suisse & Immensive

📅 August 2023 – January 2024

- Developed a VR pedestrian simulator as a part of my Master project

Highschool teaching intern

Gymnase du Bugnon

📅 June 2022 – June 2023

- Taught informatics to first and last year highschool students

Teaching assistant

EPFL

📅 January 2022 – June 2022

- Helped master students in a Virtual Reality course for their project using Unity

Association president

EPFL

📅 January 2021 – August 2022

- Helped building a student association from scratch

Assistant manager

NonStop Gym

📅 April 2022 – February 2023

Private teacher

CVAJ

📅 January 2013 – August 2022

- Helped students from 10 to 21 years old

EDUCATION

M.Sc. in Computer Science

EPFL

📅 Sept 2021 – February 2024

- Machine learning
- Database systems
- Virtual reality

Master of Advanced Studies HEP Vaud en enseignement pour le degré secondaire II

HEP Vaud

📅 August 2021 – February 2024

- Teaching Informatics
- Planing a semester
- Working with highschoolers and teachers

B.Sc. in Computer Science

EPFL

📅 Sept 2017 – June 2021

- Software engineering
- Introduction to computer graphics
- System oriented programming
- Functional programming
- Object oriented programming

PRICES

Innovation Award

VR pedestrian simulator

Innovation prize offered by the FIA for tourism club projects in Europe, Africa and the Middle East. The FIA awarded the first prize among 3.

Best Application Award

Android drone control application

At the end of the semester, a vote was held to elect the best application from each group. Our application won first place.