ALEXANDRE VAN DER PLASSCHE

SOFTWARE DEVELOPER

CONTACT

- +41 78 266 56 60
- vanderplassche.alexandre@gmail.com
- Lausanne, Vaud
- avdplassche.com

EDUCATION

Present
42 LAUSANNE

- Software Engineering

Previous
UNIVERSITY OF MONTREAL

- Bachelor in Economic Sciences (2013 - 2016)
- Major in Electroacoustic Studies (2017 - 2019)

SKILLS

Core Languages

C, C++

Scripting & Automations

Python, Bash

Web

Javacript (NodeJs, Express.js)

HTML, CSS

Tools & Environment

Git, Docker, Linux

LANGUAGES

- French (native)
- English (fluent)

PROFILE

Aspiring software developer driven by a strong computer science passion, I'm currently studying at 42 Lausanne where I am ranked in the top 10 of September 2024 promotion. My expertise includes C/C++ systems programming and algorithms, with core interests in computer simulation, creative coding, and data visualization. I seek an internship to apply my rigorous skills across diverse development roles, from system architecture to modern web applications.

PROGRAMING PROJECTS

Webserv
C++, HTTP

- Custom fully functional Nginx inspired HTTP server, built from scratch with C++98, handling concurrent connections, static file serving, and CGI execution. Demonstrated advanced network programming, multi-client communication, and parsing complex HTTP requests.

MiniRT
C, Graphic Programing, Ray Tracing

- Multithreaded ray tracing engine built from scratch to render 3D scenes. Capable of simulating complex lighting, shadows, and objects, showcasing mastery of linear algebra and simulation algorithms.

Minishell
C, Bash

- Full custom command-line interpreter (shell) replicating core Bash features, including lexical analysis (parsing), piping, redirection, and process execution.

BACKGROUND & INTERESTS

Music

- 10 years as an Electronic Music Composer and International Performer/DJ; Sound Designer for short movies.

Restaurant industry

- 9 years of work experience in the restaurant industry (4 different restaurants), temporary management roles.

Interests

- Geopolitical History, Independent Comics, Oenology, regular practice of tennis/table tennis,