

Chamseddine Hachani

📍 Hungary, Debrecen ✉ chams.eddine.hachanii@gmail.com ☎ +36 70 363 9455
🔗 agamenon-sama.github.io in chams-eddine-hachani 🔄 Agamenon-sama

Profile

Self motivated developer seeking a software engineering position offering problem solving skills to improve world-class systems and applications.

Education

University of Debrecen 2024 – 2026
MSc in Computer Science
◦ **Coursework:** Artificial Intelligence, Computer Graphics, Algorithms

University of Pécs 2019 – 2023
BSc in Computer Science Engineering
◦ GPA: 4.54/5.0
◦ **Coursework:** Computer Architecture, Operating Systems, Computer Networks

Experience

Programming instructor December 2024 – February 2025
University of Debrecen
◦ Taught JavaScript to freshmen to prepare them to take the ITS-JS exam to acquire the JavaScript specialist certificate

Software Engineering Intern February 2023 – April 2023
University of Pécs
◦ Ported a matlab script to a GPU accelerated program using C++ and OpenCL

Student tutor September 2021 – December 2021
University of Pécs
◦ Conducted weekly session to teach C programming and algorithms and data structures to freshmen
◦ Mentored students with their final projects

Projects

Migraine github.com/Agamenon-sama/Migraine 🔗
A Chip8 emulator and assembler written with SDL2 and Dear ImGui in C++
◦ Created a shader to simulate a CRT effect
◦ Created a sound synthesizer with a retro sounding effect
◦ Implemented multiple debugging tools like break points debugger and a memory editor
Tools Used: **C++, SDL2, Dear ImGui, OpenGL**

Mastoid github.com/Agamenon-sama/Mastoid 🔗
Desktop music player with emphasis on simplicity and elegance
Tools Used: **C++, Qt, QML**

Cataract github.com/Agamenon-sama/Cataract 🔗
Port scanner written with Posix sockets and Qt in C++
Tools Used: **C++, Qt, Posix sockets, Doxygen**

Technologies

Programming Languages: C++, C, JavaScript, Python, SQL
Tools & Softwares: Linux, MySQL, CMake, gdb, Doxygen, RenderDoc
Libraries & Frameworks: Qt, OpenGL, SDL2, Express.js

Languages

- **English:** Full professional proficiency
- **French:** Full professional proficiency
- **Arabic:** Mother tongue

Certificates

Information Technology Specialist - JavaScript
Pearson Vue

December 2024

Cybersecurity Essentials
Cisco

January 2022

CCNAv7: Introduction to Networks
Cisco

January 2022