

ACHRAF NAJMI

SOFTWARE ENGINEER STUDENT



Born : 7/24/1994



Casablanca, Morocco



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Armed with a Physics Electronics degree, my research experience fuels my passion for problem-solving.



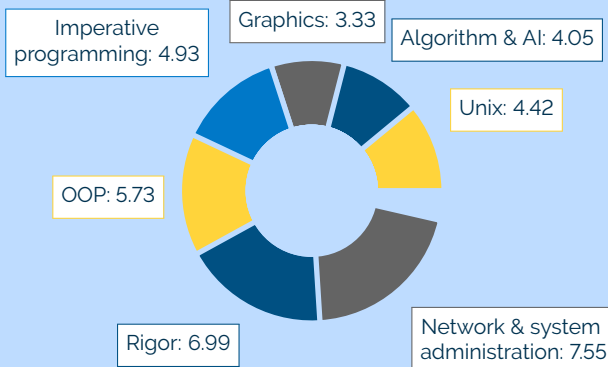
as latest degree from
UH2C FSBM

Now at 1337, I'm blending physics expertise with coding skills for impactful software development.

SKILLS

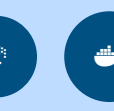


in my
42cursus



SOFTWARE PROGRAMS

VSCode Textmaker Terminal Proteus Docker



OS



ubuntu



macOS



Windows

In my development journey, I prefer Visual Studio Code as my IDE, command line navigation with bash or zsh, create polished \LaTeX CVs using Textmaker, and simulate schematics with Proteus CAD.

EXPERTISES

Code Front End Back End

Languages

C/C++ • Python • TypeScript • \LaTeX

Libraries

Three.js • Socket.IO • built-in

GUI Libs

Tkinter • MinilibX • React

Data Science

matplotlib • sympy

Data Analysis

numpy • pandas

Frameworks

node Next.js • node NestJS

DEVSTACK



Makefile



Shell



Batch

I specialize in real-time programming with C/C++ and Python. In web development, I seamlessly integrate TypeScript with React and Three.js on the frontend, using Nest.js and Socket.IO for backend communication. My forte lies in crafting intuitive GUIs, relying on Tkinter and MinilibX.

TOOLSET



bash/zsh



git



nodejs

OVERVIEW

My primary focus at work lies in IT development and maintenance, with a secondary emphasis on schematization and design.

LANGUAGES



French (PRO)



English (PRO)



IT Development



Maintenance



Schematization



Design

EDUCATION & PROJECT & EXPERIENCE

Education Project Experience



9/2023 ft-transcendence (TypeScript)
• A web app for real-time multiplayer Ping-Pong matches on 3D
github.com/ft-transcendence-1337/ft-transcendence

4/2023 webserv (C++)
• Implementing an HTTP/1.1 WebServer from scratch
github.com/NajmiAchraf/Webserv

11/2022 cub3d (C)
• A 3D game inspired by the iconic Wolfenstein3D (Raycasting)
github.com/NajmiAchraf/Cub3D

6/2022 minishell (C)
• Rebuild small version of bash
github.com/NajmiAchraf/minishell

4/2022 Philosophers (C)
• The Dining Philosophers Problem
github.com/NajmiAchraf/Philosophers

11/2021 Digital Technologies Architect
• School 1337 of UM6P 42Network
github.com/NajmiAchraf/42cursus

7/2021 Cursus C Piscine of School 1337 (UM6P) 42Network ended with level 8
github.com/NajmiAchraf/1337_Piscine

3/2021 Scientific Computing with Python
• Developer Certification
(freecodecamp.org/certification/najmiachraf/scientific-computing-with-python-v7)

2/2021 Hydrogeology (Python)
• Groundwater Hydrology
github.com/NajmiAchraf/Hydrogeologie

9/2020 Gmail (Python)
• CSV Google-mail Sender
github.com/NajmiAchraf/Gmail

12/2019 MathPy (Python)
• Modern Scientific Calculator
github.com/NajmiAchraf/MathPy (PRIVATE PROJECT)

9/2019 Python
• High-level programming language

6/2019 Bachelor of General Studies (BGS)
• Series : Matter Science Physics
• Course : Electronic

