ACHRAF NAJMI
SOFTWARE ENGINEER STUDENT

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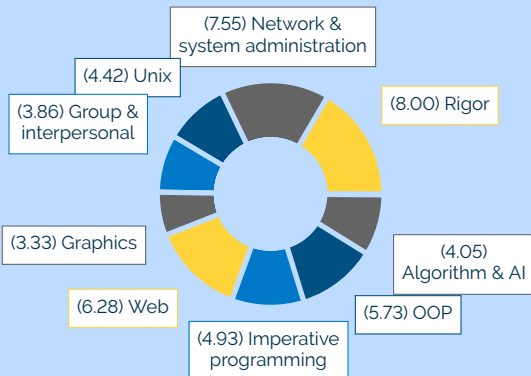
BFS
Physics Electronic

as latest degree from
UH2C FSBM

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

SKILLS

Level **10** **95%**

in my **42cursus**

- (7.55) Network & system administration
- (4.42) Unix
- (3.86) Group & interpersonal
- (8.00) Rigor
- (3.33) Graphics
- (4.05) Algorithm & AI
- (6.28) Web
- (5.73) OOP
- (4.93) Imperative programming

SOFTWARE PROGRAMS

VSCode   Texmaker   Terminal   Proteus   Docker

OS
- ubuntu
- macOS
- Windows

In my development journey, I prefer Visual Studio Code as my IDE, navigate the terminal using bash or zsh, utilize Docker for containers and isolated workspaces, create polished LaTeX CVs using Texmaker, and simulate schematics with Proteus CAD.
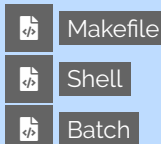
EXPERTISES

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: Next.js · NestJS
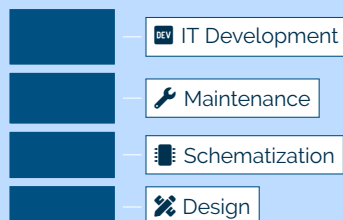
>_ DEVSTACK
- Makefile
- Shell
- Batch

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.

- DEV IT Development
- Maintenance
- Schematization
- Design

LANGUAGES

- French (PRO)
- English (PRO)

EDUCATION & PROJECT & EXPERIENCE

Education   Project   Experience

2024

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's Degree in Fundamental Studies (BFS)
- Major: Physical Material Science
- Specialization: Electronics

2019