ACHRAF NAJMI
Software Engineer Student

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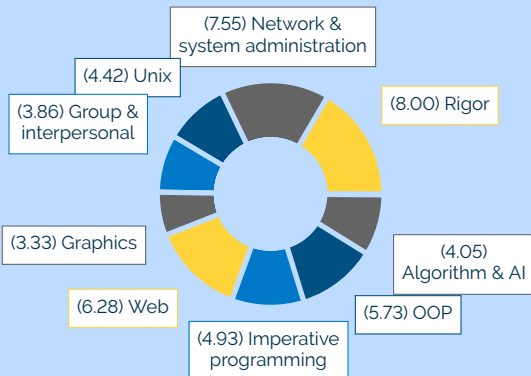
BFS
Physics Electronic

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 · Proteus · Terminal · VirtualBox · Docker

In my journey as a developer, I prefer VSCode as my IDE, manage the terminal with bash or zsh, leverage Docker for containerized environments and VirtualBox for virtual machines to maintain isolated workspaces. I also simulate schematics with Proteus CAD.

OS
- Ubuntu
- macOS
- Windows
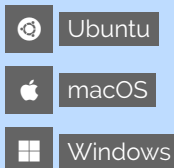
EXPERTISES

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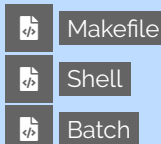
I specialize in real-time programming with C/C++ and Python. In web development, I seamlessly integrate TypeScript with React and Three.js on the frontend, using Nest.js and Socket.IO for backend communication. My forte lies in crafting intuitive GUIs, relying on Tkinter and MinilibX.

>_ 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.

- 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/NajmiAchraf/ft-transcendence

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

23

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

22

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

21

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

20

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

9/2019 Self-learning Python for high-level programming proficiency

6/2019 Bachelor's Degree in Fundamental Studies (BFS)
· Major: Physical Material Science
· Specialization: Electronics

2019

REFS : UH2C = University Hassan II of Casablanca · FSBM = Faculty of Science Ben M'sik · UM6P = Mohammed VI Polytechnic University · 1337 = LEET · 42Network