SAMUEL NOCITA

CONTACT

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https://my-portfolio-website-one.vercel.app

https://www.linkedin.com/in/samuelnocita

https://github.com/noci0001

EDUCATION

10/2022 - present
42 WOLFSBURG - Bachelor's Level, Computer Engineering
Graduation set to January 2024

03/2022 - 09/2022
Scrimba - Frontend Path

01/2020 - 12/2022
HZ University Of Applied Sciences - Bachelor's Level,
International Business and Languages

01/2014 - 12/2019
High School Bartolomeo Montagna ,
focus on Medical Care, Psychology and Law

WORK EXPERIENCE & VOLUNTEERING

06/2023 - 09/2023
Full Stack Developer Freelancer (42 Wolfsburg)
Python, C++, Rust, Embedded Systems, Testing, OpenCV Library and TeamWork.

08/2023 - 09/2022
Full Stack Web Developer Freelancer (Efferus)
React, HTML5, CSS, JavaScript, Database Handling, U Design, Figma and Online PDF reader.

12/2021 - 06/2022
Web Developer (Student Company)
React, HTML5, CSS, JavaScript, Database Handling, UX Design and Figma.

06/2021 - 02/2022
Marketing Intern, Web development focus (LAB5)
Debugging, code testing, design, implementation anc improvement of customer journey.

Google Ambassador for 42 Wolfsburg

Bridge between 42 Wolfsburg and Google (Google Münich).

European Solidarity Corps Volunteer (6 months)

Taught media literacy in high schools in Romania as a volunteer.

Student Event Manager at 42 Wolfsburg

Actively participated in the student council organising educational and recreational events for students and industry partners

Institute Representative

Represented my school at events, conferences and invested the role as mediator upholding the rights interests of the students.

SCHOLARSHIPS

42 Wolfsburg High-Performance Scholarship
Full Scholarship fund to study software engineering

Scimba - Scrimba Scholarship
Scholarship to follow the Frontend courses in Scrimba

HZ UAS - Honours Program
Field documentary about experimental city of Auroville, India

PUBBLICATIONS

Customer Center Innovation: Value Proposition for an Innovative Product Idea

"TRANSMASK: sanitary masks that are transparent and made 99% out of BioMass with the byproduct of the Bio-based economy"

Link to pubblication

SKILLS

Coding

- C, C++, Python
- JavaScript, React.js, Next.js
- Python
- TypeScript

Languages

- English
- Italian
- French
- Spanish
- German (learning)

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ENGINEERING PROJECTS HIGHLIGHT

Minishell - Command-line interpreter like Bash

Minishell is a a command-line interpreter program that I coded in synergy with another software engineer which emulates the functionality of the Bash with all the builtins and commands present in the Shell. The program executes input lexical analysis, parses and tokenises the string recognising pipes, variable expansions, etc,.

Philosophers - Multithreading and low-level resource management

This project is a training to multi-threads/multi-process programming with the use of mutex and semaphore in order to avoid data races and inaccurate value reading or erroneous value access. . It is a programs simulating a twist of the famous Dining Philosophers problem, all with the same basic rules. This project is also a good lesson in C optimisation as there is the need to save every bit of CPU usage possible to ensure the survival of the philosophers.

Fractol - Graphical project recreating Fractals

In this project I created the graphically beautiful and mathematically interesting fractals. The fractal sets are generated by iterating the function: Z(n+1) = [Z(n)]^2 + C, where Z and C are both complex numbers. Mandelbrot is generated by setting Z0 = 0+0i and each pixel corresponds to a different value of C. On the other hand, the Julia sets are generated by setting a different C for each set and a different Z0 for each pixel.

Efferus Forlag - Online database with Articles, Newsletter and PDF reader

I had the chance to work as a freelancer at this huge database that is consulted by half million people and institutions in Norway every year to study and understand permaculture, seeds, planting and many other topics concerning nature. On top of the landing page and database, I expanded the site functionalities by building a PDF reader, modular article pages and a newsletter with MailChimp

Johnsons - Restaurant landing page built with React

I had the chance to work as a freelancer web developer for this restaurant in the Netherlands. The website was build from the ground up and features a booking system.