Francisco Romão

MSc Electrical and Computer Engineering - Instituto Superior Técnico (IST) | PhD Student at TUM

@ franciscoromao@tum.de

A second-year PhD student at Technische Universität München (TUM), researching software for Quantum Computing. Easygoing and tolerant to stress. Adaptable to new environments and always looking to learn new things.

🎓 EDUCATION

Current - Dec 2022	PhD at the chair of Decentralised Systems and Operating Systems at Technical University of Munich
Dec 2022 - Aug 2020	Masters in Computer Engineering at Instituto Superior Técnico
Aug 2020 - Aug 2017	Bachelor in Electrical and Computer Engineering at Instituto Superior Técnico
Aug 2017 - Aug 2014	High School at Escola Secundária José Saramago

💼 EXPERIENCE

Current
12 December 2022

Chair of Decentralised and Operating Systems, Technical University of Munich, TUM, Munich

PhD Student ASSISTANT RESEARCHER

> Quantum Circuit Compilation
> Superconducting Technology
> Neutral Atoms Technology
> Project presentation
> Paper writing

`Qiskit` `Cirq` `Python`

27 July 2022
14 September 2021

Computer Lab, Department of Electrical and Computer Engineering, SCDEEC AT IST, Portugal

System Administrator SCIENTIFIC EMPLOYEE

> User rights and policy control
> Software installation and automatization
> Computer Network management and maintenance

`Bash` `Python` `Ansible` `HTML`

7 June 2021
10 November 2019

Tutoring and Study Center, ESTRELA DO MAR, Portugal

Tutor for High School students

> Tutored High School and 1st year college students
> Mathematics, Physics, and Chemistry
> Achieve a student success rate of more than 80%, and students raised their grades by at least 60%.

14 August 2019
29 July 2019

Industrial Systems Technology, ZEUGMA, Portugal

Automation Engineer Intern STUDENT INTERN

> Electric scheme interpretation and wiring
> Electric panel checking
> Automation machine functional testing
> Helped programming PLC boards

`Ladder`

20 July 2015
30 June 2015

Development and distribution of robotic and education products, ROBOSAVVY, Portugal

Robotics Engineer Assistant Intern STUDENT INTERN

> Aided in the development of an energy telemonitoring project.
> Updated the company's website product database
> Organised and cleaned the research lab.

`C` `HTML`

☰ Skills

Hardware Architectures	RISC-V, RISC-V Vector Extensions
Programming Languages	C, C++, Python, Bash, Assembly, Java, Ansible, SQL
Bioinformatics	DNA Sequencing, Basics of Molecular and Biochemistry
Quantum Computing	Qiskit, Cirq, Quantum compilation
Misc	Presentation skills, Independence, Problem solving, Collaboration

🌐 Languages

Portuguese ●●●●●
English ●●●●○
Spanish ●●●○○
German ●●○○○

✚ Interests

Swimming	Swam for competition since third grade until the end of high school, now just swims for leisure
Cyber Security CTFs	Completing challenges where the objective is to exploit a program or system to find a long string (flag) of characters and numbers that reward the player
Saxophone and Percussion	Plays saxophone and percussion in the philharmonic school of Ericeira
Surfing	
Kinokave - Cinema College Group	Belonged to the cinema college group helping to promote less known movie cycles with the intention to culture people in the arts of Film.