

# Rômulo Lima

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## Professional Summary

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Computer Engineering graduate (2020–2024) with experience in scientific programming and data analysis (Python, Fortran, C). Currently working as Junior Researcher at the National Laboratory for Scientific Computing on a Petrobras project. Previous experiences include a software development internship at a Startup (Python, Haskell, JavaScript, HTML, CSS, Neo4j) and an internship in Lead Delivery Management at Orange Business Services. Transitioning into Cybersecurity, Certified Ethical Hacker (CEH), with practical experience in pentesting, networks, and Linux systems.

## Technical Skills

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- **Pentesting:** Nmap, Burp Suite, Metasploit, SQLmap, Hydra, Nikto
- **Monitoring and Defense:** Wireshark, Snort, Splunk (basic)
- **Systems and Networks:** Linux (Debian/Kali), Windows Server, Active Directory, TCP/IP, Firewalls
- **Programming and Scripting:** Python, Bash, Fortran, Lua, Haskell, JavaScript, HTML/CSS
- **Databases and Tools:** Neo4j, Docker, Git, TryHackMe, HackTheBox

## Certifications

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- CEH – Certified Ethical Hacker (EC-Council) (2025)
- CAE - Certificate in Advanced English C2 (Cambridge English) (2025)

## Professional Experience

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**Junior Researcher – National Laboratory for Scientific Computing (Petrobras Project)** 2023 – Present

- Development of computational models using PETSc and MUMPS.
- Research on Gaussian kernels applied to DeepONet neural networks for Maxwell's equations.
- Analysis of results and preparation of technical documentation.

**Intern – Lead Delivery Management, Orange Business Services** 06/2023 – 11/2023

- Support in client interactions and project delivery processes.
- Development of soft skills including communication, teamwork, and client management.

**Software Development Intern – Mentorapp** 08/2022 – 06/2023

- Software development in Python, Haskell, JavaScript, HTML, CSS.
- Experience with graph databases (Neo4j) and web development projects.
- Application of programming best practices and collaborative work.

## Education

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Bachelor's Degree in Computer Engineering – Universidade Católica de Petrópolis 2020 – 2024