Paule Macedo

Technology Internship (Web Development & Cybersecurity)

Rio de Janeiro, RJ Brazil • paulemacedo@proton.me • Portfolio • Linkedin • Github

SKILLS

Security: Kali Linux, Wireshark, Network analysis, CTFs (THM/HTB), LGPD
DevOps: Linux, Git, Bash scripting, Networks, Dual boot, VMware, GitHub Actions *(basic)*
Frontend: HTML, CSS, JavaScript (React), Redux, Tailwind, Figma, Responsive Design
Backend: Python, SQL, REST APIs, JavaScript (Node.js)*,* MongoDB, *JWT (Basic),* C/C++ *(Basic)*, Java *(Basic),* Lua
Soft Skills: Work Ethics, Emotional Intelligence, Teamwork, Organization, Critical Thinking
Languages: Brazilian Portuguese (Native), English (B2)

EDUCATION

Federal Center for Technological Education Celso Suckow da Fonseca (CEFET-RJ)
*Bachelor of Computer Science - **Expected November 2026***

RELEVANT COURSES [CEFET-RJ]

Computer Science: Algorithms and Data Structures, Computer Networks, Operating Systems
Mathematics: Multivariable Calculus, Linear Algebra

PROFESSIONAL EXPERIENCE

RNP | Undergraduate Researcher | Remote | **June 2023 – September 2024**
- Universalized network port selection in the Ginga middleware to support **Windows/Linux** (in addition to macOS), eliminating hardware-specific dependencies. **Impact:** Enabled project demonstrations at **4+ national tech fairs** and expanded compatibility for diverse environments.
- Developed user profile templates for **Immersive TV (HTML/CSS/JavaScript)** and **Virtual Reality (Unity/C#)**, deployed at **4+ national events**. **Impact:** Streamlined interaction for **200+ visitors** and enhanced user engagement during live demos.
- Configured **dual-boot (Ubuntu/Windows)** on 3+ project laptops and validated middleware-device communication via **Insomnia API**. **Impact:** Reduced **critical failures by 60%** during high-stakes demonstrations.

PROJECTS

Archemy | Linux Installation and Configuration Script | **GitHub** | **2024 – Present**
- Built a **Bash script** for automated package installation and environment setup, prioritizing **Arch Linux**.
- Integrated automatic package manager detection, **reducing setup time by 80%** during system reinstalls.
- Added **Windows-Linux dual-boot clock synchronization** and seamless integration with personal **Hyprland dotfiles**.

CTF | Cybersecurity Challenges | **GitHub** | **2024 – Present**
- Solved **10+ challenges** on platforms like **TryHackMe** and **Hack The Box**, focusing on **Digital Forensics and Web Security**
- Leveraged tools like **Metasploit, Wireshark, and Kali Linux, alongside OSINT techniques.**

CERTIFICATIONS

EF SET | English Proficiency Certificate – C1 Advanced | **2024 – No Expiration**

TRAINING

Hackers do Bem | SENAI & RNP Superior School of Networks | **80 hours**
General Data Protection Law (LGPD) | Fundação Bradesco | **2 hours**

PUBLICATIONS

SBC | TV 3.0: A Ginga-NCL and Common Core Webservices Extension for Multidevice Support | 2023
- Co-authored technical paper published within the TV 3.0 Project
- Extends the TV 3.0 proposal to enable interactivity with multiple devices connected to the TV