

# Tarcizio Pereira Neto

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## Professional Objective

Computer Engineering Student (5th Semester) seeking Internship or Junior Developer opportunities. Focused on Front-end Development (React, Next.js), Web Design, and interested in Hardware/IoT. Aiming to apply knowledge in creating modern interfaces and creative software solutions.

## Technical Skills (Hard Skills)

- Languages & Web: JavaScript (ES6+), HTML5, CSS3, SQL.
- Frameworks & Libraries: React.js, Next.js, Tailwind CSS, Three.js.
- Tools & Others: Git, GitHub, VS Code, Figma/Photoshop (Interface Design).
- Hardware: ESP32, Arduino, Sensors, Electronics basics.
- Office Suite: Advanced Excel (Dashboards and Formulas).

## Academic and Personal Projects

### Anime Portal (Web App)

- Development of a responsive web application integrating an external API (Jikan) for real-time data retrieval.
- Implementation of user authentication system and dynamic search.
- Technologies: React, REST API Consumption, Modular CSS.

### Voxel Terrain Engine (Computer Graphics)

- Creation of a 3D engine focused on performance and optimized rendering using InstancedMesh.
- Development of an algorithm for procedural terrain generation.
- Technologies: JavaScript, Three.js, WebGL.

### IoT Occupancy Monitoring System

- Hardware prototype for identification and prediction of overcrowding/occupancy.
- Integration of ultrasonic sensor with ESP32 microcontroller and data transmission to a real-time dashboard via a custom API.

## Education

### Computer Engineering | Facens University Center (Centro Universitário Facens)

- Start: Feb/2024 | Expected Graduation: Nov/2028
- Status: Currently in the 5th Semester.

## Professional Experience

### Intern - Electrical Laboratory | Facens University Center | Sorocaba/SP

#### 08/2024 - Present

- Technical support in assembling electrical and physics experiments, assisting faculty and students.
- Inventory management and material control using Excel, ensuring resource availability for practical classes.
- Standardization of experiment guides, improving internal organization.

### Telemarketing Operator | Instituto Cultural Newton Paiva Ferreira | Belo Horizonte

#### 04/2023 - 09/2023

- Development of assertive communication and problem-solving under pressure (40-50 calls/day).
- Use of CRM and Excel for lead management and data auditing, commended for organization and information clarity.

## Certifications

- Scrum Fundamentals Certified (SFC) - SCRUMstudy (Nov/2025).

## Languages

- English: Intermediate.
- Spanish: Basic.