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Languages

Portuguese
Native language (C2)

English
Bilingual proficiency (C1)

› TOEIC : 930/990

French
Bilingual proficiency (C1)

› Certificat Voltaire : 644/1000

Spanish
Elementary proficiency (A1)

Soft skills

Project Management
MOOC GdP - Centrale Lille

Problem solving

Adaptability

Cross-Cultural Communication

Standards & Regulations

Electrical Installations

- **AFNOR :** NF C 15-100 (LV) NF C 13-200 (HV)
- **International :** IEC Standards

Nuclear Installations

- **AFCEN :** RCC-E
- **ENG :** Electrical Engineering Standards

Interests

Writing

Sport

Music

Travel

Social networks

@linkedin.com/SidneyVeleda

@github.com/SidneyVeleda

Sidney Veleda

Electrical Engineer

Seeking an 14-week internship to develop my skills, gain international exposure, and contribute to impactful engineering projects in the energy sector.

Education

Master of Engineering in Electronics, Electrical & Control Engineering
From Sept. 2025 to Aug. 2028 ENSEEIHT Toulouse, France

Bachelor of Engineering in Electrical & Electronics Engineering
From Sept. 2022 to Aug. 2025 IUT de l'Indre Châteauroux, France

Work Experience

Electrical Installations Design Engineering Apprentice
From Sept. 2025 to Aug. 2028 EDF Tours, France

- Participated in the engineering of electrical installations and equipment for the conventional island of EPR2 nuclear power plants.
- Contributed to building electrical installation studies across project phases, focusing on cable-tray network design and cable-routing.
- Supported technical leads and system managers in developing new methods and technical for engineering studies.

Process & Efficiency Energy Apprentice
From Sept. 2024 to Aug. 2025 Saint-Gobain Eurocoustic Genouillac, France

- Led a project to install 315 kW variable-speed motor systems in the production line's air extraction facilities.
- Coordinated a lighting renovation project for the plant's logistics area.
- Managed continuous improvement actions on the production lines.

Electrical Operations & Maintenance Intern
From Jun. 2024 to Aug. 2024 IHI Corporation Maputo, Mozambique

- Contributed to preventive and corrective electrical maintenance.
- Participated in the annual inspections of aeroderivative gas turbines.
- Conducted changeover operations, maneuvers and periodic inspections.
- Prepared technical reports and also preliminary risk assessments.

Projects

Power Electronic Converter Design
From Sept. 2026 to Jun. 2027 ENSEEIHT Toulouse, France
Design of power converters including topology study, electrothermal modeling and filtering optimization for grid, TGV and EV applications.

Multi-Stage Bipolar Transistor Amplifier Design
From May 2026 to Jun. 2026 ENSEEIHT Toulouse, France
Designed a high-gain (60 dB) and low-distorsion voltage amplifier using common-emitter, common-collector and differential-pair stages.

Photovoltaic Carport System Installation
From Oct. 2023 to Apr. 2024 IUT de l'Indre Châteauroux, France
Led a team project to design, size, simulate and install a 3.9 kWp photovoltaic carport system for the university campus car park.

IT Skills

Programming

- **Languages** : C, C++, Python, Bash, SQL, MATLAB, VBA, LaTeX

CAD

- **3D Modelling** : Navisworks, AutoCAD, DIALux
- **Electrical Systems :** Caneco BT, PLECS, PSIM

Office Software

- **Microsoft Office** : Word, Excel, PowerPoint, Power BI