

# Computer internship

From 5 September 2022 [5 months]

## PROFESSIONAL EXPERIENCE

- 2022

4 months

**Internship at the company OpenIndoor [bac +3]**  
**[Development of a 3D web application for the interior mapping of buildings]**
  - Development of camera movement functionalities, collision detection and addition of 3D objects within a web application with MapLibre and ThreeJS.
- 2021

2 months

**Internship in the company Keyoss [bac +2]**  
**[Promotional videos for laboratoires]**
  - Programming of an Android application allowing the management and distribution of promotional videos.
- 2017

1 year

**Robotics and Programming trainer**  
**MJC Montauban [Wednesday afternoon]**
  - **Basic electronics**
    - Electronic Components
    - Logic [transistors]
  - **Robotic**
    - Remote controlled car
    - Elevator model
  - **Programming**
    - Arduino
    - OpenSCAD
- 2016

**Internship at COUSERAND garage [Bodywork repair, Painting]**
- 2015

**Inrernship at Bonnafous House [Logistics, Reserve organisation]**

## PROJETS PERSONNELS

- Development of a web video game[FPS]**
  - Creation of à small demonstrative video game in order to make all the functionalities developed during my internship at OpenIndoor work.
- Connected home security system**
  - Alarm with presence detection and opening of doors and Windows. Management of functions by Bluetooth, NFC, Digicode, SMS.
- Online messaging**
  - Creation of user accounts, logins and storage of encrypted messages in à PhpMyAdmin database.
- Encryption application**
  - encryption of a character string.
- Management of the functions of a motorcycle by telephone**
  - Android application allowing you to switch on ignition, start, honk or turn on lights remotely.

## TRAINING

- 2021-2024

**Computer engineering cycle in an engineering school**  
| Training at CESI Labège [Toulouse]
- 2018-2021

**Preparatory cycle in an engineering school**  
| Training at CESI Labège [Toulouse]
- 2018

**"Baccalauréat" STI2D speciality SIN [Good mention]**  
| High school Antoine Bourdelle [Montauban]

## FIELDS OF INTEREST

- Computer science :**
  - Development
  - 3D Modeling
  - Electronics

**Sport :**
  - Airsoft
  - Enduro

**Association :**
  - MontauLAB [FabLab of Montauban]

### My personal website :

<https://sanchezaldrycksitepersonnel.000webhostapp.com>  
- On this site are presented several of my projects with descriptions. You will also find details about my background and my skills.



**SANCHEZ Aldryck**  
22 years old  
Driving licence

## CONTACT DETAILS

+33 6 48 33 33 32  
aldryck.sanchez@viacesi.fr  
France [Toulouse/Montauban]

## SKILLS

### Programming langage

C / C++ / C#  
HTML / CSS / SASS  
JavaScript  
PHP  
Python(base)  
SQL  
React Native / EXPO  
Powershell  
XML / XAML

### Software

OpenSCAD  
Solidworks  
Unreal Engine  
Arduino  
Visual Studio  
Visual Paradigm  
PhpMyAdmin / MySQL  
Git  
XAMPP  
Word/Excel  
Photoshop

## LANGUAGES

English  
Spanish

## QUALITIES

Ambitious  
Creative  
Taste of challenge  
Pedagogical sense  
Persevering

### • PBL pedagogy

Project Based Learning at CESI.