Peng GAO
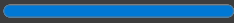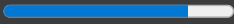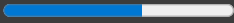
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www.linkedin.com/in/peng-gao-fr/

github.com/RedCarpG

redcarpg.github.io

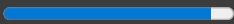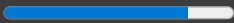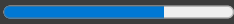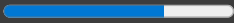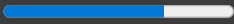## DETAILS

Date of birth : 02 Nov 1997

Place of birth : Anhui, China

Nationality : China

Marital Status : Not Married

LANGUAGE

Chinese

English

French

German

COMPUTER SKILLS

Python

JS/TS

C/C++

Java

HTML/CSS

SQL

VHDL

C#

· Profile

Graduate engineering student from the Graduate School of Engineering of the University of Nantes, searching for a work position. I discovered particular interest in *Web Design*, *Front-end engineer* and *Software* engineer. For more information, please refer to my portfolio website.

• EXPERIENCE

Intellinium (Internship)

April 2021 - October 2021   *Aix-en-Provence, France*

Project: Human behavior detection on constrained embedded devices based on distributed machine learning and finite state machine based on IMU sensor

- Developed IMU sensor API of ISM330DHCX, with the purpose of data acquisition from accelerometer, gyroscope and magnetometer sensors on a *Zephyr RTOS* on nRF5340 board (*C* language); Accomplished data visualization with seaborn, data set management with *Pandas* and *Numpy* (*Python*); Used *Tensorflow* and *Tensorflow Lite Micro* to design and generate machine learning model and implemented it onto the embedded board. (from *Python* to *C++*).

Title: Main developer in the embedded ML team

Polytech Nantes (Technical Project)

October 2020 - March 2021   *Nantes, France*

Project: Multi-Dimensional Aesthetic Assessment of Mobile Game Image (Tencent)

- Aesthetics quality assessment (AQA) of mobile game images with the help of *Machine Learning*, using readapted and designed multi-task framework capable of taking arbitrary size input data. The module is mainly designed with libaraies of *Tensorflow* and *Karas*.

Title: Algorithm developer in the team of two

Polytech Nantes (Multidisciplinary Project)

October 2019 - June 2020   *Nantes, France*

Project: Secure remote control for cruise ship Victoria

- *Arduino* programmed modules, communicated by *WiFi* & *BT* protocols, along with screen display module and communication of data taken from the boat.

Title: HW/SW developer of the comunication module

• EDUCATION

Graduate School of Engineering of the Polytech Nantes

September 2019 - October 2021   *Nantes, France*

Engineer in Electronics and Digital Technology, option Multimedia Systems and Network Technologies (SMTR)

Related courses: Multimedia and Deep Learning on GPU, IoT and communication networks, Parallel programming on multi-core CPU, Database, etc.

· Related Skills

ReactJS / Angular / NodeJS	TensorFlow / Keras	Github	Computer Vision
ML / DL	Docker	Database	Google Cloud

· Other Skills

Graphic Design (Certificate)	Adobe PS/AI/PR	Launchpad	Skateboard
	Unity		