



📍 44300 Nantes, France
☎ +33(0)785964576
✉ peng.gao1102@gmail.com
🌐 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

C/C++

Java

SQL

HTML/CSS

JavaScript

NodeJS

VHDL

C#

Other skills: Tensorflow, Keras, Pandas, Numpy

Peng GAO

• 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](#) and would love to have the opportunity to work in these domains with the language [JavaScript](#) / [Python](#) / [C++](#) / [Java](#).

• 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 communication 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

NodeJS/ReactJS	Github	ML/DL	Google Cloud
Docker	Database	Computer Vision	Embedded System

• Other Skills

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