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## 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](#). 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 libraies 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

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

## • Other Skills

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