OPPO Campus Recruitment Notice

Enjoy Youth, Shape Future

I. About OPPO

OPPO is a camera phone brand enjoyed by young people around the world.

For the last 10 years, OPPO has been focusing on manufacturing camera phones, while innovating mobile photography technology breakthroughs. OPPO started the era of selfie beautification, and was the first brand to launch smartphones with 5MP and 16MP front cameras. OPPO was also the first brand to introduce the motorized rotating camera, the Ultra HD feature and the 5x Dual Camera Zoom technology. OPPO's Selfie Expert F series launched in 2016 drove a selfie trend in the smartphone industry.

In 2017, OPPO was ranked as the number 4 smartphone brand globally, according to IDC. And today, OPPO provides excellent smartphone photography experience to over 200 million young people around the world.

II. Posts

- Software: C/C++, Java, and front-end R&D engineers
- Testing: Software testing and hardware testing engineers
- Algorithms: Machine learning algorithm engineers, phonetic and semantic algorithm engineers, computer vision algorithm engineers
- Hardware: Hardware engineers, antenna engineers, and structure engineers
- Communications: Communications standard engineers and communications protocol engineers
- Design: Brand designers, UI/UX designers, ID designers, graphic vision designers, and space display designers
- Products: Product managers, product operation posts
- Brand marketing: Marketing planning posts

III. Recruitment Procedures and Forms

1. Candidates: Class of 2019 and Class of 2020 with Bachelor's Degree or above;
2. Recruitment Procedure: Interview → OFFER;
3. Online Application: Visit official website of OPPO or follow OPPO Recruitment WeChat account;

   Fresh graduates: Log onto oppo.zhaopin.com and check for more detailed information in the campus recruitment session.

   Interns: Log onto oppointern.zhaopin.com and check for more detailed information in the campus recruitment session.
4. Official Recruitment Platform

OPPO Recruitment

Follow our WeChat account for details of recruitment sessions and online application.

PS: The above information is for reference only. Visit the official website of OPPO campus recruitment for more information.

OPPO Campus Recruitment Group
C/C++ Engineer (focus: mobile phone)
Type: both graduates and internship
Responsibility:
Focus 1: Linux driver development: Responsible for development and optimization of various peripheral drivers for mobile phone, such as Camera, LCD, Audio, Charge, Sensor, and so on.
Focus 2: Linux system optimization: Responsible for Linux Kernel development and optimization, for instance, stability, performance optimization, etc.
Focus 3: Android system development: Responsible for Android system function development and optimization.
Focus 4: APP development: Responsible for camera APP development, performance and interaction optimization; OpenGL development: Responsible for the development and maintenance of camera effects (beauty, filter, blur, sticker, and so on).

Job Requirements:
1. Educational qualifications: bachelor degree (or above) in such fields as computer, software, electronics, communication, and so on.
2. Proficient in C/C++ language, and have certain experience in software development.
3. Familiar with data structure and different algorithms.
4. Understand the principles of operating system.
5. Have passions for software development, clear logic and systematic thinking.
6. Preferred qualifications:
   (1) Have some experience in Android platform product development.
   (2) Familiar with the principle of Linux kernel, and have certain experience in product R&D and optimization.
   (3) Proficient in the Linux driver model, with certain experience in the development of software driver.
   (4) Acquire basic knowledge on Camera, be experienced in the development of related products, know how to take good pictures and be fond of photographing.

Speech Semantic Algorithm Engineer
Type: both graduates and internship
Responsibility:
Field 1: Natural language processing: responsible for the setup of NLP basic platform; tracking survey and system construction of cutting-edge technologies in terms of dialogue Q&A, intelligent customer service, voice assistant, machine translation, and so on; customized development of specific product scenarios.
Field 2: Speech recognition and synthesis: responsible for frontier research and system implementation of speech recognition, speaker recognition, wake-up and de-noising, emotional synthesis, voice special effects and so on; customized development and data exploration of specific product scenarios.

Job Requirements:
1. Educational qualifications: master degree (or above) in such fields as computing linguistics,
2. Familiar with the technologies of Linux-based C/C++/Java development, Python3, as well as data structure and various algorithms.
3. Have passion of algorithm R&D, clear logic and systematic thinking.
4. Preferred qualifications
   (1) Proficient in tools like word2vec, Fasttext, Tensorflow, Torch, and so on, experienced in the development of large-scale NLP/NLU platform.
   (2) Familiar with tools like POMDP, Encoder-Decoder, Tensorflow, Torch, and so on, and have certain experience in the system development of commercialized dialogue Q&A or intelligent customer service.
   (3) Get a detailed picture of such tools as Moses, Giza++, openNMT, Tensorflow, Torch and so on, and have a better understanding of the system development of commercialized machine translation.
   (4) Know better about microphone array, adaptive noise cancellation, embedded operation, acceleration chip, and voice DSP.
   (5) Get a keen insight into such tools as HTK, Kaldi, Tensorflow, Torch, and so on, with certain experience in decoder development.
   (6) Do well in the application of such tools and systems as HTS/HTK, Tensorflow, Wavenet, and so on, and have experience in emotional speech synthesis.

**Computer Vision Algorithm Engineer**

**Type:** both graduates and internship

**Responsibility:**
1. By means of computer vision and deep-learning technologies, conduct the image-related algorithm design, in terms of technical selection, model training, algorithm optimization and research, and so on.
2. Engage in the implementation and deployment of core machine learning algorithms, and conduct the Camera image pre/post processing by means of artificial intelligence algorithm.

**Job Requirements:**
1. Educational qualifications: master degree (or above) in pattern recognition, machine learning, computer vision, computing mathematics, EE, CE, and so on.
2. Get a detailed picture of neural network related to deep learning, such as DNN, CNN, RNN, GAN, and so on.
3. Proficient in theoretical research and data acquisition, and do well in such mathematical methods as EM, MCMC, LR, LDA, PCA, time series, and so on.
4. Familiar with more than one source-opening framework for deep learning, such as Caffe, TensorFlow, ARM AI Library, SNPE, and so on.
5. Master more than one programming languages, for example, C/C++, Python, Java, Shell, and so on.

**3D Stereo Vision Algorithm Engineer**

**Type:** Internship
Responsibility:
1. Engage in the R&D of 3D face algorithm, face beauty of video or image, 3D face animation driven by video or image, face representation, and model reconstruction.
2. According to the market research, optimize and improve the related algorithms.
3. Keep pace with the latest 3D face technologies.

Job Requirements:
1. Educational qualifications: master degree (or above) in computer, communication, automation, and so on, with certain experience in graphic and image processing.
2. Familiar with basic knowledge and algorithms of image processing and computer graphics, as well as 3D face/depicting; proficient in different algorithms in terms of face detection, key-point face detection, face recognition, and face beauty.
3. Have a better understanding of stereo matching, structure from motion (sfm)/visual slam, sensor fusion (sfm+imu+gps), as well as such algorithms as point-cloud data and grid-data processing.
4. Master more than one programming languages, for instance, C/C++, Python, Java, Shell, and so on.

Machine Learning Algorithm Engineer
Type: both graduates and internship

Responsibility:
Field 1: Engage in the system recommendation and algorithm R&D, which provides solutions for such scenarios as advertising, information flow, application store, and so on.
Field 2: Engage in the AI technical application; get a detailed picture of such cutting-edge technologies as machine learning and deep learning; provide solutions for such fields as natural language processing, voice and image recognition, and so on, based on the core business scenarios of information flow, application store, search, voice assistant, etc.; upgrade the overall user experience, and create more business value.
Field 3: Engage in the AI product development on ColorOS; have a better understanding of user behaviors; optimize the performance of mobile phones; make an in-depth exploration on the application of computer vision and natural language processing in ColorOS business; upgrade the overall user experience of ColorOS.

Job Requirements:
1. Related majors: computer, machine learning, computer vision, image processing, natural language processing, mathematics, and so on.
2. Familiar with more than one languages concerning C++/Python/Java, as well as basic computer-data structure and algorithms.
3. Get a clear picture of machine learning and its framework (Tensorflow, Caffe, and so on), and have a better understanding of the objective function, optimization process, and applicable scenarios of common algorithms;
4. Clear ideas, quick tongue, and passion for work.
5. Preferred qualifications:
   (1) A wealth of experience in project execution.
   (2) Internship in such areas as system recommendation, search, computing advertising, and so on.