

Lab Internship for Overseas Students in Shenzhen Technology University

Internship in Lab of IoT innovation (Reference Number: Intern/b/201809/02)

Lab Introduction

We are a research team of Laboratory of IoT innovation lab of Big Data and Internet school in Shenzhen Technology University. This lab is equipped with DGX-1, five DELL T640 with 4 1080TI GPUs, five high performance servers and many vision sensors. It is rich in computing resources. Some results of our lab have been published in IEEE TIP, CVPR, ACCV, IVCNZ and so on. Our team is now working on a project of pose recognition based on deeply learned networks and its applications in human computer interaction, etc. We focus on researching and developing convolutional neural networks and improve its compactness, speed, accuracy. We are looking for candidates who can help us design new algorithm or fast the neural network models.

Your Tasks

1. To train networks based on tensorflow.
2. To design the new algorithm based on openpose.
3. To fast the algorithm using some channel pruning
4. To compress the network model size.
5. To prepare teaching/examine documents and cooperate with graduate students.

Requirements

1. Python programming skills-desirable
2. C programming skills-desirable
3. Familiar with Machine Learning knowledge
4. Familiar with Linux systems

Benefits

1. We provide a DGX-1 or 4 1080ti GPUS for your study work.
2. Fun at work and beyond.

Supervisor

Dr. YUAN Yule

Assistant Professor of Sino-German College of Intelligent Manufacturing

2005-2008 Master Degree in Peking University, Beijing, China (in video codec)

2012-2017 Ph.D. Degree in Peking University, Beijing, China (in Machine Learning)

Current Research Interest: image processing, pose recognition, and deep learning.

Academic Achievements: more than 20 journal or conference papers; 15 invention technology patents

Awards: Outstanding Graduate of Peking University.



Please send a full curriculum vitae and passport copy together with copies of qualification documents by

email to international_internship@sztu.edu.cn with the email subject as "Reference Number – Job title – Full name of applicant".

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