Jingjing YE

Address: Room 601, No. 202, Zhongshan Nan Road, Huangpu District, Shanghai, China, 200011

Phone: +86-13651620122; E-mail: yejj@shanghaitech.edu.cn

Educational Background

ShanghaiTech University, Shanghai, China   **09/2015-06/2019**

- Bachelor of Engineering, Electronic Information Engineering
- **GPA:** 3.06/4   **CS Related GPA**: 3.38/4
- **Relevant Courses**: Data Structures, Database and Datamining, Computer Graphics, Artificial Intelligence, Software Engineering

Publications

❖ ***Finding Real-life Doppelgangers on Campus with MTCNN and CNN-based Face Recognition;*** Jingjing YE, Yilu ZHOU

Conference: The 18th Pre-ICIS Workshop on e-Business in Munich, Germany

Content: Use MTCNN to do the face recognition; train a face detection model with Softmax and Center Loss as loss function.; extract feature and get similarity of faces.   Dataset: LFW Frame: CAFFE

Application: Combine art and technology; stimulate the society interest of CV ; misuse of celebrity photos in online stores

Research Experience

FashionDeepBlue China, directed by Yilu ZHOU, Agnes Kubiak, 2019-Present

1. **Dali Brush:** To customize the personalized clothes for the clients (blend the user-supplied elements with a stylish texture to create a new printing)
- Train a model to determine the product (texture) is now in its infancy, epidemic or recession.
2. **Labeling System:**
- System users can tag pictures according to the requirements of designer Agnes.

The Artificial Intelligence Lab, USA, directed by Yilu ZHOU, 2018

- **Objective:** Get the main color of garment from runway pictures, predict the future trend of color
- **Duty:** HumanBody Segment, Portrait Gouging, Color Clustering Algorithm, Skin Color Removal Algorithm.

1. Removed the background: body recognition; got a mask; superimposed the original picture and the mask; cut out the human body, turned all pixels of the background black;

2. Used Kmeans++ to get the color clustering; selected the top six ones of the largest color areas;

3. Removed skin color based on YCrCb color space.

- **Gain:** Results released in trend analysis report of 2018 Shanghai fashion week
    (Xinhua News Agency & FASHIONDEEPBLUE)

AA Algorithm Accelerates Neural Network, directed by Yajun HA, 06-08/2018

- **Objective:** To achieve the effect of accelerating the network, use AA algorithm to get which weights are not so important to the neural network in advance
- **Duty:** Set up Alex Net; processed experimental results and drew charts
- **AFFINE ARITHMETIC:** Examined the influence of noise on the output results of neural network by adding noise to the weight, to determine whether this weight is important; cut off the excess weights to make the network lighter

Working & Internship Experience

Developer, IT Department, SAIC - General Motors, Shanghai, China   **08/2019-Present**

Job Content: Back-end develop.

Develop Online Platform for China Dealers to manage their cars orders and call cars to specified 4S Stores;

Database: Oracle; Project-management tool: Maven; Storing and Mapping Framework: Mybatis ;

Front-End: Spring boot;

Language: Java; HTML; JAVASCRIPT.

Course TA, Web Text Mining TA of Summer School, ShanghaiTech University   **07/2019**

Job Content: Gave lab courses to students; corrected homework and final exam papers;

Assisted in answering questions about the project.

Developer, Yoke Intelligent Technology (Shanghai) CO. LTD   **12/2018-06/2019**

Job Content: Intelligent Monitoring for Comac Aircraft Manufacturing Workshop;

Built a database to store employee information, today's track and attendance (Frame: Django);

Backend development: monitor live information and picture flow; write interface responds to front-end

Deployed to Comac Factory server by Docker.

Academic Projects

AI Air Traffic Control, Artificial Intelligence

Build models according to CCAR-93TM-R5; use Q-learning algorithm to train model which can direct plane's approach

Result: Use real time approach situation at Chengdu ShuangLiu Airport in 24 hours to test our model; Every flight has landed successfully without collision or blockage.

Cloth Simulation, Computer Graphics

Use Mass-Spring Model to simulate cloth; introduce force (gravity, wind force & elastic force) and collision (cloth-rigid body & self-collision) into the system.

Result: Lively simulation of cloth blown by wind & drop on rigid body

Awards & Honors

✧ **Honorable Mention,** ICM(Interdisciplinary Contest In modeling) , **twice**	2017 & 2018
✧ **Outstanding Individual** of Annual Undergraduate Industry Practice	2017
✧ **Third Prize** in the Odyssey of the Mind, Jiaotong University	2015

Competitions & Activities

❖ **Volunteer for** World Artificial Intelligence Conference, Shanghai, China	07/2018
❖ **Volunteer for** ShanghaiTech Workshop on Emerging Devices, Circuits and Systems, Shanghai, China	06/ 2018
❖ **Member** of Hackathon	2018
❖ **Member** of Tianchi Data, Alibaba Group	2017
❖ **Volunteer Teacher for** Poverty Alleviation Country Social Practice, Sichuan, China	07-08/2016

Computer Skills

➤ Skilled in Python, Java, Matlab, C++, VHDL

➤ OpenGL, Cafe, OpenCV, Oracle, Docker, Numpy, Pandas, Apache related (Maven, Mybatis, Util)

➤ Tools: Cadence, Multisim, CST Studio Suite