

JINGJING(EVE) YE

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EDUCATION

M.S. Computer Science

August 2021 - June 2023

Georgia Institute of Technology, Atlanta GA, US

- General track

B.Eng. Electronic Information Engineering

September 2015 - June 2019

ShanghaiTech University, Shanghai, China

- **Core Courses:** Data Structures, Linear Algebra, Probability and Statistics, Computer Graphics, Artificial Intelligence, Software Engineering, Database and Data Mining

WORKING EXPERIENCE

Microsoft — Software Engineer — Shanghai

January 2021 - August 2021

service development with C sharp and .net core

- Owner for Notification Service: one service send email and send event for other services if they call it. (**Azure, K8s**)
- **Service to Service AuthN and Authz.**(authentication and authorization)
- **MSI**(Managed identities for Azure resources)
- **RBAC**(Role-based access control)

SAIC-General Motor — Software Engineer — Shanghai

July 2019 - December 2020

Vehicle sales platform development

- manage the cars amount in the database
- develop the back end for the sales platform which used by dealer with **Java**. Project-management tool: **Maven**; Storing and Mapping Framework: **Mybatis**
- develop the front end for the sales platform with typescript and Angular, spring boot.

Yoke Intelligence — Engineer Intern — Shanghai

December 2018 - May 2019

Intelligent Monitoring for Comac Aircraft Manufacturing Workshop

- Built a database to store employee information, today's track and attendance;(Frame: **Django**) Back end development: monitor live information and picture flow;
- Write interface responds to front-end.
- Deploy the service to factory. (**Docker**)

Course TA — ShanghaiTech University — Shanghai

June 2019 - July 2019

Web Text Mining TA of Summer School

- Gave lab courses to students; corrected homework and final exam papers; Assisted in answering questions about the project

PUBLICATIONS

- Finding Real-life Doppelgangers on Campus with MTCNN and CNN-based Face Recognition; Jingjing YE, Yilu ZHO
- Conference: The 18th Pre-ICIS Workshop on e-Business
- Content: Use MTCNN 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
- 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 Kubia — Shanghai

June 2019 - April 2020

tagging system for cloth recognition (typescript, python, Django)

- Let designer and students can scan and tag the show picture for feature deep learning work.
- Back end support record the picture and tagging information.
- Front end scan all the pic and draw rectangle on picture to point out clothes.

The Color AI Lab, USA, directed by Yilu ZHOU — Shanghai

August 2018 - January 2019

the main color of garment from runway pictures, predict the future trend of color

- human body recognition and portrait gouging.
- color clustering algorithm **K means** .
- skin color removal algorithm (designed by myself) result: released in trend analysis report of 2018 Shanghai fashion week (Xinhua News Agency)

ACADEMIC PROJECTS

Cloth Simulation, *Computer Graphics, C*

Spring 2018

- 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

AI Air Traffic Control, *Artificial Intelligence, Python*

Spring 2018

- 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.

AES Secure System Design, *Field Programmable Gate Array (FPGA, VHDL)*

Fall 2017

- Write a VHDL code to implement the functionality of AES (Input: 128 bit key and message);
- Optimize VHDL code to minimize the resources Global Timing Constrains that used in FPGA;
- Evaluation criteria: number of LUT(Look-Up-Table)FF(Flip Flop) ; Path Delay.

AWARDS AND HONORS

Outstanding Individual of Annual Undergraduate Industry Practice , Shanghaitech University

2017

Honorable Mention, ICM(Interdisciplinary Contest In modeling) , Global

2017 2018

SKILLS

Programming Languages: Python, C#, Java, C, Matlab

Development Tool-kits: OpenCV, OpenGL, Cafe, Docker, Azure, kubernetes

Development Framework: .net, Spring boot, Angular, Django