



Summary

- Super AI Youth from the Jiangmen Innovation Ventures, Love technology, embrace open-source, have academic ambitions
- Research interests: Meta-learning, Few-shot Learning, 3D Object Recognition, Point Cloud Transformer, GCN

EDUCATION

King Abdullah University of Science and Technology (KAUST) - Computer Science Master Aug 2020 - May 2022

- **GPA:** 3.61/4.00, selected to participate in the undergraduate poster competition (Top 39 in the world)
- Joined the Visual Computing Center Supervised by Professor Mohamed Elhoseiny; published a paper to AI conference

Southern University of Science and Technology (SUSTech) - Computer Science - Bachelor Sep 2017 - Jul 2020

- **GPA:** 3.6/ 4.0 Major in Computer Science and Technology & Monitor of Computer Science Class at Zhiren College
- **Related courses:** Data Structure and Algorithm Design, Computer System Design and Application, Probability Theory and Mathematical Statistics, Digital Logic, Digital Image Processing, Computer Vision, Artificial Intelligence, Computer Networks

National University of Singapore (NUS) - School of Computing (Exchange Student) Jan 2020 - May 2020

- Studied Parallel & Concurrent Programming, Software Engineering & Object-Oriented Programming, Introduction to Operating Systems, etc & leading a team to research for *Uncertainty in Deep Learning* at professor Wynne Hse's lab

University of British Columbia (UBC) - Electronics and Computer Engineering (Visiting Student) Jul 2018 - Aug 2018

- **Summer Course:** Algorithm Design and Analysis, the World Wide Web and Building Modern Web Application

RESEARCH EXPERIENCE

KAUST - Vision CAIR Group - Mohamed Elhoseiny (Assistant Professor) Aug 2020 - May 2022

- Researching on semi-supervised few-shot learning, meta-learning, and 3D object recognition; has published one long paper

SUSTech - Deep Learning & Computer Vision Lab - Yu Zhang (Associate Professor) Sep 2019 - Dec 2019

- Led a group to design *End-to-End Human-Computer Interactive Age Estimation Systems Based on Neural Processes*
- In the final evaluation, our advanced computer science experiment was highly praised by inspectors (Score: 91/100, Top 5%)

Tsinghua University - Yiming Rong (Chair Professor) & Gang Wang (Associate Professor) Jun 2019 - Jul 2019

- As a visiting research student in the digital manufacturing laboratory at Tsinghua University in Beijing, I Led a team to research *Micro-Organic Prediction Modeling of Cladding Process Based on Machine Learning and Statistics*
- Used CNN to train models through micro-organizational morphology and achieved a fast & large-scale morphological prediction

SUSTech - Medical Image & AI Diagnostic Lab - Xiaoying Tang (Assistant Professor) Aug 2018 - Apr 2019

- Participated in the research on the topic of *Artificial Intelligence Diagnosis and Treatment System Based on Fundus Color Photography*. The project was selected as the National University Student Innovation and Entrepreneurship Training Program
- Detected and classified images of diabetic retinopathy using convolutional neural networks, designed image quality detection algorithm, and developed software on Diagnostic System for Ocular Disease

INTERN EXPERIENCE

iFLYTEK - Research Intern @ AI Institute Aug 2020 - Oct 2020

- Researched Second Language Acquisition Modeling on Duolingo Dataset
- Applied the Deep Learning methods to provide personalized education recommendations for English reading comprehension

Alibaba - Summer of Code Student Developer & OpenSource Contributor @ Apache Apr 2019 - Aug 2019

- Wrote [Apache RocketMQ JDBC Connector](#) (23 commits, 3.4k lines of code) as an external project of RocketMQ (14.2k stars)
- Standardized the code style and complementary code structure, fixed bugs and made sure all of the functions were viable
- Modified the runtime's code and wrote a new function; configured information to synchronize between the cluster of the source; wrote the documentation about the connect mechanism, usage and configuration of RocketMQ JDBC Connector

Tencent - Technical Practices - Project Intern @ CSIG Nov 2018 - Jan 2019

- Resolved the problem about Submissions introduced through problem stack targeting issues
- Learned the use of Git & PyGitHub; analyzed and extracted the problem stack information of open-source software

EXTRACURRICULAR ACTIVITIES

SUSTech Future Enterprise Club - Founding Member Dec 2019 - Jun 2020

- As a founding member, Initiated SUSTech Future Enterprise Club and designed the organizational structure of the club

- Organized the first challenge competition of the roadshow for entrepreneurial projects at SUSTech

TensorFlow User Group - Organizer

Feb 2019 - Jan 2020

- Participated in creating a local developer community interested in AI and machine learning in Shenzhen
- Helped developers learn TensorFlow, shared the latest news about TensorFlow and organized the hackathon activities

SUSTech Emergency Rescue Team - Director of Publicity Department

Sep 2017 - May 2019

- Organized an emergency knowledge contest, planned team celebration, charity sale, etc.
- Led the startup of the Universities Emergency Knowledge Dissemination Alliance; Assisted in publicity & communication

SKILLS

- Skills:** Python, Java, C++, Matlab, Pytorch, Keras, OpenCV, TensorFlow, Git, Pascal, JavaScript, HTML, CSS
- Interests:** Tennis (A+), Guitar (Proficient), Photography (Proficient), Keeping fit (Exercise Everyday)
- Languages:** English (CET-6, TOEFL), Chinese (Native), Cantonese (Elementary Proficiency)
- Activities:** KPMG Campus Ambassador, Kaisa Industry School-Enterprise Cooperation Project Team Leader and Outstanding Students (Top4), Asia-Pacific Higher Education Summit Volunteer, 20th China Hi-Tech Fair Volunteer, Future Forum Volunteer

PUBLICATIONS & POSTERS

- Wrote, as the first author, a poster titled "How to Remove Haze from a Single Image — the Combination of Dark Channel Prior and Guided Filter", presented in Computer, Electrical and Mathematical Science and Engineering Division, 9th Annual Undergraduate Poster Competition, King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia. 19th-23rd January 2020 **(oral)**
- Wrote, as the second author, a long paper titled "Semi-Supervised Few-Shot Learning with Prototypical Random Walks", submitted in MetaLern Workshop, AAAI, 2nd-8th February 2021 **(oral)**
- (Targeting to CVPR 2022) the first author of a paper titled "3D CoMPaT Dataset: Composition of Materials on Parts of 3D Things"
- (Targeting to CVPR 2022) the co-first author of a paper titled "SFC-Net: Space-Filling Curves for Efficient Point Cloud Representation Learning"

HONORS & AWARDS

3rd Class of National Middle School Information Science Competition (Provincial Level Top 18%)	Dec 2014
1st Class of National Middle School Physics Competition (Provincial Level Top 1%)	Oct 2016
1st Class of Excellent Volunteer at SUSTech (Top 2%)	Dec 2018
Honor Mention Award of International Interdisciplinary Contest in Model (Top 16%)	Apr 2019
2nd Class of Merit Student Scholarship at SUSTech (Top 6%)	2017-2019
2nd Class of ASC World University Student Supercomputer Challenge (Top 10%)	Jun 2019
Super AI Youth from the Jiangmen Innovation Ventures & Interviewed by technical reporters	May 2021