



SUMMARY

- I am a Dubai Business Associate in a mini-MBA program to develop as global business leaders through partnerships with top business firms under the patronage of His Highness Sheikh Mohamed bin Rashid Al Maktoum, Prime Minister of the UAE and Ruler of Dubai
- I am the first author of an ECCV (oral presentation) and a NeurIPS paper (poster), and serving as an organizer for a CVPR Workshop
- My interests in AI Scientist jobs include 3D Deep Learning, Computer Vision, Large Language Models, and Transformer technologies

EDUCATION

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

- GPA:** 3.67/4.00 M.Sc student of Visual Computing Center & **Master's Thesis:** Compositional and Low-shot Understanding of 3D Objects

Southern University of Science and Technology (SUSTech) - Computer Science and Technology Bachelor Aug 2017 - Jun 2021

- GPA:** 3.6/ 4.0 & **Bachelor's Thesis:** Few-Shot Learning on 3D Object Recognition

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

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

PROFESSIONAL EXPERIENCE

Dubai Business Associates - Innovation Associate Sep 2022 - Present

- Selected as a highly competitive 9-month mini-MBA program from over 3000 applicants with an acceptance rate of 1%
- Completed training from PwC Academy and Capdev in strategy consulting, business in the MENA, data modeling, and business pitches

Emirates Airlines - External Consultant @ Cabin Crew Service and Management Mar 2023 - Present

- Working on Cabin Crew 3-year plan, including internal and external assessment, gap analysis between current state and desired state, Benchmarks against other airlines' cabin crew performance and services, other best practices and specific recommendations/initiatives

Dubai Future Foundation - Research Intern @ Dubai Future Lab Oct 2022 - Jan 2023

- Implemented SegFormer for sidewalk segmentation with mIoU 95%, designed to facilitate seamless robot navigation with Nvidia ROS2

Saudi Aramco - Research Intern @ KAUST AI Center Jun 2022 - Aug 2022

- Focused on 3D rock reconstruction, utilized advanced techniques to embed geometric information within a comprehensive 3D graph

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

- Researched Second Language Acquisition Modeling using Duolingo Dataset and applied Deep Learning to deliver personalized education recommendations for English reading comprehension.

Alibaba - Summer of Code Student Developer & OpenSource Contributor @ Apache Mar 2019 - Jul 2019

- Wrote [Apache RocketMQ JDBC Connector](#) (23 commits, 3.4k lines of code) as an external project of RocketMQ (19k 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 @ Cloud and Smart Industries Group Oct 2018 - Dec 2018

- Resolved submissions introduced through problem stack targeting issues and analyzed the problem stack information of open source app

RESEARCH EXPERIENCE

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

- Researching on semi-supervised few-shot learning, meta-learning, 3D object recognition, 3D efficient learning, and participating in building 3DComPat, a 3D stylized models dataset, and PointNeXt, training with improved training & scaling strategies

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 - Deep Learning & Computer Vision Lab - Yu Zhang (Associate Professor)

Aug 2019 - Nov 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%)
- 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

PUBLICATIONS & POSTERS

- PointNext: Revisiting PointNets with Improved Training and Scaling Strategies. **Yuchen Li***, Guocheng Qian*, Houwen Peng, Jinjie Mai, Hasan Abed Al Kader Hammoud, Mohamed Elhoseiny, Bernard Ghanem, Conference on Neural Information Processing Systems (Acceptance Rate 25.6%), 2022. Cambridge Ellis Machine Learning Summer School (Poster), 2022.
- 3D CoMPaT Dataset: Composition of Materials on Parts of 3D Things. **Yuchen Li***, Ujjwal Upadhyay*, Habib Slim, Tezuesh Varshney, Ahmed Abdelreheem, Arpit Prajapati, Suhail Pothigara, Peter Wonka, Mohamed Elhoseiny, European Conference on Computer Vision (Oral Presentation, Acceptance Rate 2.7%), 2022. Cambridge Ellis Machine Learning Summer School (Poster), 2022.
- Semi-Supervised Few-Shot Learning with Prototypical Random Walks. Ahmed Ayyad, **Yuchen Li**, Raden Muaz, Shadi Albarqouni*, Mohamed Elhoseiny*, AAAI Meta Learning workshop (oral), 2021.
- How to Remove Haze from a Single Image – the Combination of Dark Channel and Guided Filter. **Yuchen Li**, presented in the 9th Annual Undergraduate Poster Competition, KAUST, 2020.

HONORS & AWARDS

Co-organizer of "1st Workshop on Compositional 3D Vision & 3DCoMPaT Challenge" at CVPR 2023	Jun 2023
Super AI Youth from the Jiangmen Innovation Ventures & Interviewed by technical reporters	May 2021
Honor Mention Award of International Interdisciplinary Contest in Model (Top 16%)	Apr 2019
2nd Prize of ASC World University Student Supercomputer Challenge (Top 10%)	Jun 2019
1st Prize of Excellent Volunteer at SUSTech (Top 2%)	Dec 2018
2nd Prize of Merit Student Scholarship at SUSTech (Top 6%)	2017-2019
1st Prize of National Middle School Physics Competition (Provincial Level Top 1%)	Oct 2016
3rd Prize of National Middle School Information Science Competition (Provincial Level Top 18%)	Dec 2014