ANTHONY CHEN

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Birthdate: 2001-11 | Gender: Male | Hometown: Britain

EDUCATION

Peking University   Sep 2019 - Jun 2023

Intelligence Science and Technology Bachelor EECS   Beijing, China

- GPA 3.3/4.00
- Chinese Government Scholarship 2020-2022

EXPERIENCE

Research Student   Feb 2022 - Present

Peking University   Beijing, China

This is a project supervised by Prof. Z. Shanghang, School of Computer Science, Peking University.

- First author, in submission to CVPR2023. Project Name: PiMAE: Point cloud and Image Interactive Masked AutoEncoders for 3D Object Detection
- Researched 40+ advanced works related to Masked Autoencoders, Multi-model Learning, 3D Object Detection from recent years' conferences and presented conclusions via speaking at team meeting
- Designed and programmed (in Pytorch) a deep learning model with Masked Autoencoders design which performs interaction between point clouds and images and reconstructs them simultaneously
- Conducted extensive experiments based on different 3D Object Detection methods in order to show pre-training effectiveness. Brought 2.9% (AP50) performance gain to SOTA methods

Computer Vision Engineering Intern   Jul 2022 - Oct 2022

BodyPark Inc. AI Department   Beijing, China

This is a startup company that uses 2D human pose estimation results from deep learning networks to provide online fitness training.

- Researched estimation problems of the current online model and presented information via speaking at department conferences.
- Translated newly published advanced work on 2D human pose estimation into practical applications and fine-tuned model on custom dataset.
- Designed algorithms specifically for application scenarios. Improved model performance by 6% (AP) and fixed problems of previous algorithms, providing a reliable solution to business challenges.

LEADERSHIP EXPERIENCE

Geeklab (student league)   Apr 2021 - Present

Workshop Founder of GeekSports   Beijing, China

- Provided skiing, skateboarding, and frisbee sports courses for more than 60 people

SKILLS, INTERESTS & OTHERS

- **Skills:** Python, Pytorch, C++, Git, Linux, HTML5, CSS, Javasript, SQL
- **Languages:** Mandarin (Native), English (Native), Japanese (Proficient), Russian (Fluent), Cantonese (Fluent)
- **Interests:** Baseball (school team member), Volleyball (school team member, 1st prize in Beijing Collegiate), Skiing, Skate Boarding, Cryptocurrency Trading