

JIEKE WANG

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EDUCATION

University of California San Diego
Bachelor of Mathematics
Department of Mathematics

Fall 2019 - Present

Nanjing Foreign Language School Xianlin Campus
High school

Fall 2016 - June 2019

RESEARCH EXPERIENCE

July 2018 - summer research project in Universal Village program at MIT CSAIL: design of garbage bin that automatically classify bottle using features match algorithms, implemented in Matlab.

INTERNSHIP

July 2020 - Internship as Strategy Programmer in Shengang Securities, Shanghai

PROJECT

Current project - (Extra-curricular Course Project): ReID - identify and match people shoot by cameras of different angles. We used transfer learning with a pretrained convolutional neural network (MobileNet) to train on Market1501 dataset. Now I am trying to blend semi-hard triplet loss and label smoothing in the baseline model to improve the precision.

ACHIEVEMENTS

Honorable Mention in High School Mathematical Contest in Modeling (HiMCM): we are given data of worldwide roller coasters and asked to build rankings of these roller coasters. Our group preprocessed data, then used entropy weights, TOPSIS, and fuzzy math to build the ranking list. We also discuss how to build user-friendly app and recommendation system to publish the rankings.

SKILLS / PROGRAMMING LANGUAGES

Familiar with Java, Python (PyTorch, Scikit-learn), and Mathematica.

Learned basic API of: C, Tensorflow, Cuda, C++, SQL, Matlab, HTML ...

EXTRA-CURRICULAR

Stanford University MOOC 231N Convolutional Neural Networks for Visual Recognition

JulyEdu's Machine Learning Camp (including contents of Deep Learning)

RELATED COURSES TAKEN

MATH180A - Introduction to Probability, MATH109 - Introduction to Mathematical Proof
MATH181A - Introduction to Statistics, MATH180B - Introduction to Stochastic Process
CSE8A&B - Java Programming, CSE12 - Data Structure

PERSONAL TRAITS

Devoted in research of Mathematics and Machine Learning

Self-motivated to study anything from research

Ability to work as an individual as well as in group