Siyuan Peng

Github:github.com/syKevinPeng | Linkedin:www.linkedin.com/in/sypeng2000
1-1424-A 8204 Baltimore Ave 301-910-7361
College Park, MD peng2000@umd.edu

EDUCATION

Expected: May 2022

University Of Maryland, College Park, MD
Bachelor of Science in Computer Science, Machine Learning
Bachelor of Science in Math-Statistics

SKILLS

Programming Languages: *Advanced*: Python, Java, C;*Intermediate*: HTML;*Beginners*: SQL, Javascript;
Software and Libraries: TensorFlow, Matplotlib, Open-cv, Scikit-learn, Jupyter Notebook
Bilingual: Chinese and English

Projects

Member, **Monocular 3D Object Detection** September 2018 - 2019

- Preprocess more than 7000 images on KITTI dataset
- Construct machine learning neural network in Python with NumPy, CV2, Keras and Tensorflow library
- Manage remote instance with Linux and Jupyter Notebook

Member, **KITTI Orientation** July 2019 - Present

- Predict Object Orientation with 6 different method
- Write loss function and training code, monitor training on remote instance, and modify existing network backbone

Group Leader, **Gaming Sell Prediction** Nov 2020 - Present

- Collect, clean, organize data collected from online resources
- Implement method like random forest and neural network to predict Sell

Technology Experience

Deputy Chief of IT department, **Chinese Student and Scholar Association** September 2018 - 2019

- Maintain and update CSSA website
- Create front end of CSSA internal evaluation system
- Hold Biweekly IT department meeting for activity update and project arrangement

Research Experience

Fellow, **FIRE Summer Fellowship** June 2019 – August 2019

- Analyzed state-of-the-art techniques from scholarly papers and open-source repositories on projects of similar application
- Performed data preprocessing, training, optimization and evaluation of the machine learning models using deep learning frameworks
- Collaborated with the research leader and a team of student researchers to design and implement machine learning model for real-world usage

Related Courses

CMSC320 Introduction to Data Science (Fall 2020)
FIRE298 FIRE: Capital One Machine Learning (Spring, Fall 2019; Spring, Fall 2020)
CMSC426 Computer Vision (Fall 2020)
CMSC422 Introduction to Machine Learning (Spring 2021)
CMSC472 Introduction to Deep Learning (Spring 2021)