Yiming Lin

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EDUCATION

- **Xi'an Jiaotong-Liverpool University** SuZhou, China
  Information and Computer Science - Overall GPA: 3.62/4.000, Major GPA: 3.98/4.000 *Aug. 2017 – Now*

EXPERIENCE

- **XJTLU-Hackthon 2018** SuZhou, China
  First Prize *Jun 2018*
  - **Optical Music-Sheet Recognition**:
    Created an Automatic Piano which, through image recognition, can play piano scores.
    The product won the first prize and received a reward of RMB 5,000 in cash.

- **Sensys 2018 Conference Paper** ShenZhen, China
  Co-auther of "Ecrt: An edge computing system for real-time image-based object tracking" *Aug 2018 - Jun 2019*
  - **Attended Sensys 2018 Conference**:
  - **Edge Computing, Deep Learning and Reinforcement Learning**:
    Designed an Edge Computing system for Real-time object Tracking (ECRT) for resource-constrained devices.
    The key feature of the system is that it intelligently partitions compute-intensive tasks such as inferencing a convolutional neural network (CNN) into two parts, which are executed locally on an IoT device and/or on the edge server.
    In the later version, instead of using heuristic algorithm we designed a Reinforcement learning algorithm to scheduling the partition points, the later version is in submission.

- **Summer Undergraduate Research Fellowships 2018** SuZhou, China
  Author of "Object Tracking via Deep Neural Networks Using Dynamic Template Module" *Summer 2019*
  - **Video Object Tracking**:
    Designed a LSTM-based Dynamic Template Module to improve robustness of current Siamese-neuron-network based tracking model.
  - **Video Prediction Framework**:
    Also developed a Video Prediction Framework Framework based on pytorch.

- **Computer association in XJTLU** SuZhou, China
  Vice President of the association *Jan 2018 - Now*

- **Research Assistant - Machine Learning in XJTLU** SuZhou, China
  Research Assistant of PremiLab@XJTLU *July 2018 - Now*

PROJECTS

- **QuantSoftware Toolkit**: Open source python library for financial data analysis and machine learning for finance.
- **Github Visualization**: Data Visualization of Git Log data using D3 to analyze project trends over time.
- **Recommendation System**: Music and Movie recommender systems using collaborative filtering on public datasets.
- **Mac Setup**: Book that gives step by step instructions on setting up developer environment on Mac OS.