Lixiang Li

2012385321 | lx829382@dal.ca | github.com/lixali

SKILLS

Programming Languages: Python, C/C++
Data Engineering Tools: Kafka, Spark, Postgres, MongoDB, Cassandra
Infrastructure: AWS
Data Science and Machine Learning: Tensorflow, Pytorch, Keras, ResNet, VGGNet, InceptionNet

EXPERIENCE

Insight Data Engineer Fellow, *Insight Data Science,* New York City   2020 Jan - Present
- Build a data pipeline that users can use to process compare similarity between images (the use case is to identify image IP infringement)
  Project repo -> https://github.com/lixali/Image_IP_protection
  Project website -> http://www.data-engineering.xyz
- Use S3, Spark and Postgres to process 100G+ image data from ImageNet and display similarity comparison results in the front end UI

Data Engineer, *AMD Inc.,* Toronto, Canada   Nov 2018 - Dec 2019
- Building Data pipeline that funnel image data to feed deep learning models
- Fine tune various deep learning model in Keras (including VGGNet, InceptionNet, ResNet)

ASIC Verification Engineer, *AMD Inc,* Toronto, Canada   Sep 2018 - Nov 2018
- Write test benches for AMD's GPU using System Verilog

Software Engineer, *TSMC,* Ottawa, Canada   Sep 2015 - Sep 2018
- Contribute to the company's internal software tool library (the compiler that I created within the software team is used by 1000+ employees);
- Design company's internal SRAM compiler software tool in python

EDUCATION

Dalhousie University   May 2016
Master of Applied Science, Department of Electrical and Computer Engineering
Canada's NSERC Scholarship (2014-2016)

Guangdong University of Technology   May 2013
Bachelor of Engineering, Department of Electrical and Computer Engineering