

YIFAN ZHANG

Deep Learning Expert in:
Prediction | Anomaly Detection | Classification

EXPERIENCE

CSIRO--RESEARCH FELLOW (DATA SCIENTIST)

Future Science Platform | July 2017- present

- Developed a real-time sensor data denoising system
 - Process over 100 data streams at real-time
 - Build on Amazon Lambda
 - Automatic outlier filtering
 - Used by 3 large-scale GBR monitoring networks (Gov, JCU,...)
- Developed a real-time missing data recovery system
 - Build on AWS Sagemaker
 - Advanced deep learning model
 - Key achievement in CSIRO Digiscape project
 - Open source on github
- Designed Deep learning prediction models
 - Design various dl prediction model (RNN,Seq2Seq,TCN,...)
 - Expert in Pytorch/Tensorflow and other ML/statistic packages
 - Several ML publications/open source on github
- Team Management/Professional Services
 - Manage 6 research projects
 - Supervise over 10 master/undergraduate students
 - Publication review for multiple journals, such as IEEE TNNLS
 - PC member for several ML conferences

SILVERRAIL--BIG DATA SPECIALIST

Future Science Platform | July 2017- present

- Analyse TB level business log data
 - Manipulate data from multiple sources (SQL, NoSQL, ...)
 - Process data with various types (txt, json,...)
- Optimize distributed data querying system
 - Design distributed data indexing on Hbase
 - Optimize Hadoop data storage HDFS
 - I/O Test on AWS DynamoDB

EDUCATION

QUEENSLAND UNIVERSITY OF TECHNOLOGY

2012-2016

PhD in Data Science (Cloud Computing)

BEIJING UNIVERSITY OF AERONAUTICS AND ASTRONAUTICS

2004-2012

Bachelor/Master in Software Engineering

PROFILE

Passionate about doing industrial R&D, building and deploying AI and ML solutions for real-world problems, and contributing to ML communities.

Winner of the Google Kaggle Open Data Research Grant 2020

LINK

Codes:

<https://github.com/ivivan>

Research :

<https://bit.ly/31KleG3>

CONTACT



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