zuo wang

Email : w.zuo@hotmail.com

Linkedin: https://www.linkedin.com/in/zuo-wang-501047110/   Mobile : 4435629996

Github: http://github.com/pryo

EDUCATION

Johns Hopkins University — 2016-09-01 - 2018-12-22
Computer Science, Master — GPA: 3.9

Queen Mary University of London — 2012-09-01 - 2016-05-30
Telecommunication Engineering, Bachelor Of Science with Honours-Second Class (Upper Division) — GPA: 3.7

SKILLS SUMMARY

- **Machine Learning**: Pytorch, tensorflow, Deep Learning , Computer Vision, NLP
- **Programming language**: Java, Python, C++, Scala, Matlab
- **Database**: MySQL, MongoDB, Redis, Cassandra, Hive, Postgresql

EXPERIENCE

Johns Hopkins University, Astrophysics — MD,USA
Research Assistant — 2017-06-01- 2018-12-22

- Developed frontend and backend data visualization module in Python for NSF founded space telescope project.
- Developed a spectrum accessing API to query PB amount of astronomical data from the clustered SQL server.

NeuroView Diagnostics, LLC — MD,USA
Engineering Consultant — 2019-04-22- current

- Leading the development of a video-based stroke automatic detection platform to enable low-cost early screening.
- Designed scalable distributed Flask + Gunicorn service on GCE achieving $0.0001 per request on 1 million requests.

ACADEMIC PROJECTS

Hyperopt-GBT — github
Developer — 2019-02-24- 2019-04-25

- Developed a general purpose stacking framework around Sklearn API that support lightGBM and XGB library (open source).
- The framework enables running tuning tasks concurrently on multi-GPU grid using MongoDB as asynchronous parallel communication hub.

Enhanced isocitrate dehydrogenase mutation classification — Johns Hopkins School of Medicine, MR Research
Research Assistant — 2018-05-20- 2019-03-01

- Designed a 3D Medical Imagery processing toolkit using Python that makes it 30x faster than using 3D Slicer
- Conducted deep learning research on MRI data using pytorch, improved 15% over state-of-art deep leaning publication, arriving at 0.80 AUC.

Social network surveillance — ZeroFox, Inc
Developer,Product Manager — 2017-04-05- 2017-06-01

- Utilized Twitter real-time API to acquire high concurrent post and streaming with Kafka.
- Created topic modelling for general public posts contains monitored hashtag using Amazon Comprehend,topic of suspect post was compared with general public to detect mismatch.
- Deployed the server on Amazon EC2 with using Django.

PUBLICAITONS AND AWARDS

- Enhanced isocitrate dehydrogenase mutation classification in lower grade gliomas with deep learning and CEST and MTC MRI, ISMRM, 2019-5-29
- The Mathematical Contest in Modeling-Honorable Mentions awarded by Consortium for Mathematics and Its Applications in 2015-01-28