Yuge Shi

Machine Learning PhD Student,
University of Oxford

w : yugeten.github.io
e : yshi@robots.ox.ac.uk
m : +44 7365 923 093

Generative models · Disentanglement ·
Bayesian deep learning · Multimodal joint
embedding

Publications

Variational Mixture-of-Experts Autoencodersfor Multi-Modal Deep Generative Models, published in **Neurips** 2019;

Action Anticipation with RBF Kernelized Feature Mapping RNN, published in **ECCV** 2018;

Skills

Programming Languages	Python, MATLAB, R, Verilog
Environments & Libraries	PyTorch, TensorFlow, Pyro, Keras, MatConvNet, ROS
Applications and Tools	Adobe Illustrator & Photoshop, LaTeX
Languages	Mandarin, English, Cantonese

Pursuits

Music	Uyghurs dancing, pole dancing, A cappella
Sports	Rock climbing, Muay Thai, rowing

References

References can be provided upon request.

Education

since 2018 **DPhil in Engineering Science**

University of Oxford

- **Supervisor:** Professor Philip Torr
- **Research interests:** generative modelling, statistical inference, Bayesian deep learning, explainable AI, language-vision fushion models

2011 − 14 **Bachelor of Engineering (Honours)**

Australian National University (ANU)

- **Thesis:** Sequence prediction in videos
- **Supervisor:** Professor Richard Hartley
- **Courses:** Robotics, control systems, telecommunication systems, system engineering and project management.
- **GPA**: 6.5/7

Employments

since 2019 **Sponsorship officer**

Women in Computer Science Society, Oxford

- The Oxford Women in Computer Science Society (OxWoCS) aims to support and encourage women in computer science.
- I am the first point of contact for sponsors of OxWoCS. I work closely with other officers in the committee to organise industry events with the sponsoring companies.

2017 − 18 **Student Scholar**

Data61, Australia

- I was tasked to address the interpretability of a machine learning system designed in Data61 that assesses the condition of waterpipes in Sydney, Australia;
- I analysed the suitability of different state-of-the-art explainability models and successfully implemented an algorithm that interprets the system's prediction.

2015 **Project Organiser**

AIESEC, Brazil

- I launched and managed a fundraising project for Silva's Elderly Home while volunteering in Salvador, Brazil;
- With the help of local student volunteers, I wrote, directed, narrated and edited a campaign ad and launched the fundraiser on crowdfunding website Indiegogo.
- 1500 Reals (500 USD) was raised and the fund was used to replace the worn-out home appliances in the elderly home.