

Yuge Shi

Machine Learning PhD Student,
University of Oxford

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

Publications

*Variational Mixture-of-Experts
Autoencoders for 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, Tensor-
Flow, 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 fusion 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.

2018 **Project Manager**

Questacon-ANU, Australia

- We were tasked to design a robotics exhibit for the National Science and Technology Center *Questacon*;
- As the project manager, I developed and managed the project schedule and finance, facilitated teamwork and established good relationship with our shareholders.

2015 **Project Organiser**

AIIESEC, 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.