

EDUCATION

University College London <i>MRes in Computational Statics and Machine Learning</i> Courses: e.g., Probabilistic and Unsupervised Learning, Approximate Inference and Learning in Probabilistic Models, Applied Machine Learning, Applied Bayesian Methods	<i>London, UK</i> 09/2019 – 09/2020
King's College London <i>MSc in Advanced Computing</i> Pass with Distinction	<i>London, UK</i> 09/2017 – 09/2018
Beijing University of Technology <i>Bachelor in Computer Science</i> GPA: 3.7/4.0	<i>Beijing, China</i> 09/2013 – 07/2017

EXPERIENCE

Microsoft Research Asia <i>Research Intern at Software Analytics Group</i>	06/2016 – 07/2017
<ul style="list-style-type: none">Used several binary classification algorithms, SVM, Random Forest, XGBoost, to predict hardware failures on the cloud platformTransformed binary classification into Learning to Rank problem since online hardware failure prediction is extreme imbalanced problem and applied LambdaRank and LambdaMART for solving the problemProposed a neural network architecture based on <i>Wide & Deep Learning</i> and deployed a pipeline on Microsoft distributed platform Cosmos for feature extraction and trainingImproved the pipelines of several projects on time and space complexityMultiple projects were accepted by the top conferences (<i>KDD, ESEC/FSE</i>) and working in production	
Chinese Academy of Sciences <i>Research Intern at Institute of Software</i>	03/2019 – 08/2019
<ul style="list-style-type: none">Proposed a graph-to-sequence neural network to find the solution of the Boolean satisfiability problemProposed a strategy to mitigate the issue of assignment dependency in Boolean satisfiability problem.	

PROJECTS

Learning to Learn Opponent Learning <i>University College London</i> <i>Python, PyTorch</i>	12/2019
<ul style="list-style-type: none">Proposed a new approach to model the behavior of opponents in non-stationary settingsImplemented the proposed algorithm and the corresponding algorithms for comparison, including multiple reinforcement learning algorithms, REINFORCE, A2C, TRPO, PPO and naive behavior cloningSubmitted to <i>IJCAI 2020</i>	
Auto-Driving using Computational Intelligence <i>King's College London</i> <i>JavaScript, HTML Canvas, REINFORCEjs</i>	07/2018
<ul style="list-style-type: none">Implemented a Web-based platform to simulate several traffic scenarios, with support for controlling an car by either human player or computer playerTrained an agent for driving itself autonomously in different traffic scenes with Deep Q learning and Deterministic Actor-Critic algorithm	
Shakespeare or Fakespeare <i>King's College London</i> <i>HTML, Python, Flask, Keras</i>	11/2017
<ul style="list-style-type: none">Designed the UI of Web page for comparing real verses written by Shakespeare and fake verses generated by Char-RNNImplemented the server by Flask to pass fake verses	

HONORS

"Star of Tomorrow" Title (For MSRA interns with outstanding performance)	2017
Brown Medals of ACM-ICPC and CCPC regional contests	2016
First Prize in China University Computer Games Championship(Game of the Amazons)	2015
First Prize in China Undergraduate Mathematical Contest in Modeling	2014