MUFEI LI

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EDUCATION

New York University Shanghai, Shanghai, China *Sep 2014 - May 2018*
Bachelor of Science in Honors Mathematics *GPA: 3.74/4.0*
Selected Coursework: Functional Analysis, Real Variables, Differential Geometry, Mathematical Statistics, Intro to Stochastic Processes, ODE, Complex Variables, Honors Linear Algebra I & II

New York University, New York City, United States *Sep 2016 - May 2017*
Math & Science *GPA: 4.0/4.0*
Selected Coursework: Machine Learning & Computational Statistics, Intro to Robotics, Basic Algorithms, Data Structures, Chaos & Dynamical Systems, Theory of Probability, PDE

PROFESSIONAL EXPERIENCE

New York University Shanghai June 2018 - Present
Research Assistant

- Advisor: Prof. Zheng Zhang
- Project: Generative models of graphs

PROJECTS

Deep Graph Library (DGL) October 2018 - Present

- DGL is a library for neural networks on graphs, initiated by NYU, NYU Shanghai and AWS.
- Developed a tutorial on generative models of graphs, and contributed to the application programming interfaces as well as the documentation

Tree Generating Network March 2018 - May 2018

- Helped with training neural networks for dynamically generating trees in a teacher forcing fashion

Deep Reinforcement Learning June 2017 - Dec 2017

- Studied and implemented deep reinforcement learning algorithms, including deep Q-network, double deep Q-network, and policy gradient on tasks simulated in OpenAI's gym
- Attempted guiding the exploration of parameterized policies with conditional variational autoencoders predicting current observations given previous states and actions taken

Tensorboard Integration for MinPy Sep 2016 - Dec 2016

- MinPy aims to serve as a pure NumPy interface above the MXNet backend.
- Developed an interface for bridging MinPy with Tensorboard, the visualization toolkit of TensorFlow

ACADEMIC ACHIEVEMENTS

Dean's List for Academic Year *2017*

Dean's Undergraduate Research Fund *2017*

SKILLS

Programming Languages Python, LaTeX, Java, MATLAB/Octave, R, Mathematica
Frameworks PyTorch, scikit-learn, Pandas, NumPy, XGBoost, Gym, MuJoCo, NLTK