
SHIDA WANG

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EDUCATION

B.S. (Math), Fudan University, 2020

Ph.D. (Math), National University of Singapore (NUS), Expected 2024

Supervisor: Qianxiao Li

RESEARCH INTEREST

Theoretical Machine Learning, Sequence Modelling, Language Models, Dynamical System

EXPERIENCE

Internship at SAIL (2023.03-09):

Investigated the context length scale-up in state-space models

Second Place in Jane Street Electronic Trading Challenge, Summer 2022

Internship at Advance.AI (2021.08-10):

Investigated general anomaly detection techniques such as GAN and Autoencoder.

First Place in Citadel APAC Regional Datathon, Spring 2021

Teaching Assistant at NUS for DSA5102 (2020.08-11)

Internship at Megvii (2019.07-12):

Worked on basic models (ShuffleNetV2) and Neural Architecture Search models.

Worked on adaptive optimizers, which led to my first Ph.D. research project.

Internship at Goku Data Limited (2019.01-03):

Worked with daily stock data and tried to produce some new factors

RESEARCH

Reviewer for AISTAT 2023, 2024

SKILLS

Fluent in Python (PyTorch, JAX, TensorFlow), C/C++, Matlab. Familiar with R, Haskell

Familiar with data structure, algorithm, operating system, and parallel programming

PROJECT

Curse of memory in sequence modelling

RELATED COURSES

Probability, Markov Chain, Brownian motion and Stochastic Calculus, Stochastic Control, Optimal Stopping and Stochastic Control in Finance, Topics in Differential Equations (Fluid Equation), Optimization, Microeconomics, Macroeconomics