

Huang Songlin

Curriculum Vitae

Email: huangs0@connect.hku.hk

Phone: (+86) 15259264929, (+852) 68567185

Address: A1417, Shun Hing College, 9 Lung Wah Road, Hong Kong

Homepage: huangs0.github.io

EDUCATION

BENg(CompSc) the University of Hong Kong 2019-Present

Major: Computer Science, **Minor:** Math and Finance

Core Courses: Optimization, Computer Vision, Natural Language Processing

CGPA 3.72, Dean's Honors List 2020-2021, Expect to Graduate in Jun 2023

RESEARCH EXPERIENCE

Research Assistant

Feb 2022 - May 2022

Department of Mathematics, the University of Hong Kong

Supervisor: Chair Professor Michael Kwok Po NG

- Study the application of meta-learning such as neural process, and generative model such as variational autoencoder on the near-cold start recommendation systems, and further investigate the memory mechanism and disentangled representation in meta-learning

HKU CS Summer Research Assistant Internship

Jul 2021 - Aug 2021

Department of Computer Science, the University of Hong Kong

Supervisor: Professor W. Chuan

- Propose new online inference acceleration framework for graph neural network on dynamic graph based upon the locality of message-passing model.

INDUSTRIAL EXPERIENCE

Machine Learning Software Architect Intern

Jun 2022 - Aug 2022

NVIDIA, Shanghai

Manager: Mr. Li Xiaowei

- Improve the trustability of NVIDIA MLaaS system by providing evidence from explainable AI methods
- Improve the reliability of MLaaS system by integrating data drift detection
- Improve the stability of MLaaS system by adding model service monitoring and auto-redeployment

TEACHING EXPERIENCE

Student Teaching Assistant

Sep 2021 - Dec 2021

Department of Mathematics, the University of Hong Kong

Course: MATH2211 Multivariable Calculus

Instructor: Dr. Tak Wing CHING

- Holding weekly Revision Classes and consultation hours.
- Preparing slides by Latex, and visualizations by Matplotlib.

Student Teaching Assistant

Sep 2021 - Dec 2021

Department of Computer Science, the University of Hong Kong

Course: COMP2396 Objected-oriented programming and Java

Instructor: Dr. Wong, Kenneth K.Y.

- Assisting question answering in weekly tutorial session.

OTHER PROFESSIONAL SKILLS

Deep Learning: GNN, Meta-Learning, Inference Acceleration, CV, NLP, with Pytorch

Machine Learning: Hyper-parameter Tuning, Drift Detection, Machine Learning Interpretability, Machine Learning Pipeline

Data Analysis: Python workflow with Numpy, Pandas, Matplotlib, MySQL, MongoDB

Cloud Infrastructure: Microservices, Docker, Kubernetes, Kafka, RESTful API

Full Stack Web: Frontend with React or Vue.js, Backend with Python or Golang

Programming Fundamentals: Linux/Unix, Git, Agile with Scrum, Python, Java

Mathematics: Linear Algebra, Calculus, Optimization, Probability, and Statistics