

SONG, CHENYU

Mobile: 1 541 908 9440 | Email: songchenyu2@gmail.com

EDUCATION

Oregon State University, Oregon, US

Sept 2019 - Jun 2023

- Major: Computer Science; Degree: Bachelor of Science
- **Overall GPA: 3.71/4.00**

University of Illinois at Urbana Champaign, IL, US

Aug 2023 -Present

- Major: Master of Computer Science; MCS
- **Overall GPA: N/A**

PROJECTS

Project: Mask Detection and Classification with Different Convolutional Neural Networks

Member, supervised by Prof. Victor Adamchik from University of Southern California

Jul - Sep 2021

- Established the LeNet-5 network for optimizers testing
- Analyzed and compared the efficiency of classic convolutional neural networks LeNet-5 and vgg-16 in image recognition

Capstone Project: AR Artwork, Fast style transfer

Sep 2022 – Jun 2023

Member

- Response for building the vgg-16 neural network for style-transfer
- Train the fast style-transfer model based on Google Colab Platform

Research Project: Adversarial Attacks on Online Learning to Rank with Stochastic Click Models

Member, supervised by Associate Prof. Huazheng Wang from Oregon State University

Jan 2023 – Mar 2023

- Response for using Python to complete the implementation of general attacks and Attack then quit algorithm on position based model and cascade model
- Analyzed and compared the efficiency of two different attack algorithms on 5 bandit algorithms – BatchRank, TopRank, PBM-UCB, CascaedUCB, CascadeKLUCB.

Research Project: Pure Exploration for Asynchronous Federated Bandits

Member, supervised by Associate Prof. Huazheng Wang from Oregon State University

May 2023 – Aug 2023

- Learn the DisALinPE and DisTarPE algorithm proposed by another group member which based on LinGapE algorithm and paper *Asynchronous Upper Confidence Bound Algorithms for Federated Linear Bandits*
- Response for building the LinGapE and UGapE algorithms for basic experiment environment
- Analyzed and compared the efficiency between full-connect algorithm and DisALinPE, DisTarPE algorithm

PUBLICATION

Qianru Li, **Chenyu Song**, Xinhong Xie, *Mask Detection and Classification with Different Convolutional Neural Networks* (Published at 2022 International Conference on Cloud Computing, Performance Computing and Deep Learning); Above authors contributed equally

Zichen Wang, Rishab Balasubramanian, Hui Yuan, **Chenyu Song**, Megdi Wang, Huazheng Wang, *Adversarial Attack on Online Learning to Rank with Stochastic Click Models* (Under Review by NeurIPS 2023)

Zichen Wang, Chuanhao Li, **Chenyu Song**, Lianghui Wang, Huazheng Wang, *Pure Exploration for Asynchronous Federated Bandits* (Under Review by NeurIPS 2023)

TECHNICAL SKILLS

Proficient: Python, PyTorch

Basic:C++, C, Kotlin, Html, TensorFlow, css, JS, Java