

Wai Man Si

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Prince Flower City, Macau | Macao | 24 April 1996

EDUCATION

CISPA Helmholtz Center for Information Security

Ph.D in Informatics

- Supervisor: Prof. Michael Backes & Yang Zhang
- Research Areas: Security and Privacy of Machine Learning in NLP

Saarbrücken, Germany
starting in Oct 2021

Georgia Institute of Technology

Master of Science in Computer Science

Cumulative GPA: 4.0/4.0

Specialization: Machine Learning

Georgia Institute of Technology

Bachelor of Science in Computer Science; Highest Honor

Specialization: Intelligence & Modeling and Simulation

EXPERIENCE

Georgia Institute of Technology

Entertainment Intelligence Lab, Research Assistant

- Supervisor: Prof. Mark O. Riedl
- Exploring the dialog system in text adventure game.
- Using various retrieval and classification modules to guide the generation.

Atlanta, GA
Jan 2020 - Present

Georgia Institute of Technology

Music Informatics Group, Research Assistant

- Supervisor: Prof. Alexander Lerch
- Exploring the use of reinforcement learning in Music Information Retrieval.
- Working on melody vocal extraction multitasking learning.

Atlanta, GA
Jan 2020 - Present

Georgia Institute of Technology

CS 7641 Machine Learning, Teaching Assistant

Atlanta, GA
Aug 2019 - Present

Network and Information Security Laboratory, Peking University

Research Intern

- Explored novel model in Text generation and Dialogue system task.
- Assisted PhD students with their research projects.
- Analyzed research papers from top conferences.

Beijing, China
Jun 2018 - Mar 2019

Lucena Research

Software Engineer Intern

- Optimized the code base, speeding up the software by 30%.
- Wrote exhaustive unit test, increasing overall code coverage by 20%.
- Designed different features with machine learning technique that can be used in stock prediction.
- Implemented different machine learning models that predict stock return.

Atlanta, GA
May 2017 - May 2018

Companhia de Telecomunicações de Macau

Analyst Programmer Intern

- Performed requirements analysis, functional and technical analysis
- Analyzed and troubleshoot incident and problems of IT applications

Macau, China
May 2016 - Aug 2016

PUBLICATIONS

Wai Man Si, Prithviraj Ammanabrolu, Mark O. Riedl. "Telling Stories through Multi-User Dialogue by Modeling Character Relations" in *The North American Chapter of the Association for Computational Linguistics Workshop on Narrative Understanding*. Mexico. June 2021.

Jay Tao, Wai Man Si, Jun Tao Li, Dong Yan Zhan and Rui Yan. "Boosting Variational Generative Model via Condition Enhancing and Lexical-Editing" in *The Pacific Rim International Conference on Artificial Intelligence*. Cuvu, Fiji. August 2019.