

# Yaxin Li (Gloria Li)

CONTACT INFORMATION	428 S Shaw Ln Rm 3115 East Lansing, MI 48824 Personal Webpage: <a href="https://yaxinli.netlify.app/">https://yaxinli.netlify.app/</a>	E-mail: <a href="mailto:liyaxin1@msu.edu">liyaxin1@msu.edu</a> Phone: (+1)5175056654 GitHub: <a href="https://github.com/I-am-Bot">https://github.com/I-am-Bot</a>
EDUCATION	<b>M.S. in Michigan State University</b> , Computer Science and Engineering • Advisor: Dr. Jiliang Tang	Sep 2019 – Present
	<b>B.S. in Tsinghua University</b> , Information Science and Technology	Aug 2015 – Jul 2019
SKILLS	<b>Languages:</b> Python, C, C++, MATLAB, Latex, Markdown, C#, Java, JavaScript, HTML5, SQL <b>Framework/Tools:</b> Pytorch, Tensorflow, Sckit-learn, SpringBoot, React, AWS, Spark, MongoDB, sanity	
PROJECT EXPERIENCE	<b>Opensource ToolBoxs</b> <ul style="list-style-type: none"><li>• <b>DeepRobust: Representative Pytorch Attacks and Defenses Toolbox on image and graph domains</b> (500+ stars on Github, first author paper published in AAAI) - Lead the development of all popular machine learning security algorithms, include 20 attacks and defenses for image classification and 20+ target on graph neural network. (Python)</li></ul>	
	<b>Projects</b> <ul style="list-style-type: none"><li>• <b>Android mobile application for SIEMENS product anti-counterfeiting via NFC tag. (Undergraduate Research Project)</b> - Design and implement the front-end of the Android application with Java. This application read the NFC tag and distinguish fake identification code. (Java)</li><li>• <b>Online Chatroom. (Network and Communication Course Project)</b> - Independently implement a chat application with functions including: login, connecting to server and music player. Implemented by JavaScript with Node.js and Express framework, building connections between server and client via socket.io. (JavaScript)</li><li>• <b>Personal Webpage.</b> - Build my portfolio with React, Sanity.io and Tailwind from scratch. (JavaScript)</li></ul>	
MACHINE LEARNING RESEARCH EXPERIENCE	<b>Selected Research Projects and Publications</b> (Full Publication List) <ul style="list-style-type: none"><li>• <b>Enhancing Adversarial Training with Feature Separability</b> - Improve deep learning model robustness through regularizing intra-class and inner-class feature distance. Achieve the state of the art performance on MNIST and CIFAR10 datasets under evaluation of different attacks using Pytorch framework. (Python)</li><li>• <b>Yet Meta Learning Can Adapt Fast, It Can Also Break Easily (Second author paper published in SDM-21)</b> - Evaluate the robustness of popular meta learning frameworks with designed gradient-based attacking methods. Successfully degrade the meta learning performance by more than 40%. (Python)</li><li>• <b>Graphical Evolutionary Game Theoretic Analysis of Super Users in Information Diffusion. (Second author paper published in ICASSP-20)</b> - Model and simulate the fake information diffusion process in social network using evolutionary game theory. (MATLAB)</li></ul>	
	<b>Surveys</b> <ul style="list-style-type: none"><li>• <b>Adversarial Attacks and Defenses on Graphs (SIGKDD Explorations-22)</b> -Introduce robustness related algorithms in graph classification and launch comprehensive experiments based on DeepRobust.</li></ul>	
WORK EXPERIENCE	<b>Research Assistant</b> at DSE lab, Michigan State University • Focus on Adversarial Robustness; security and privacy issue in machine learning	Sep 2019 – Jul 2021
	<b>Teaching Assistant</b> at Michigan State University • CSE232 Introduction to Programming II (Language: C++) • CSE480 Database System (Language: python, MySQL)	Sep 2021 – Present
	<b>Research Intern</b> at TAL Education Group	Jun 2020 – Sep 2020
HONORS & AWARDS	<ul style="list-style-type: none"><li>• KDD CUP 2020: Regular Machine Learning Competition Track: Adversarial Attacks and Defense on Academic Graph, <b>Top 10 Winner</b>.</li><li>• NOIP 2012, 2013: National Olympiad in Informatics in Provinces, Beijing, China. <b>First Prize</b>.</li></ul>	