

Min Liu

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No.163 Xianlin Avenue, Nanjing, Jiangsu Province, China (210023)

EDUCATION

Nanjing University Sept. 2019 – June. 2023 (expected)
B.S. in Computer Science and Technology, Kuang Yaming Honors School Jiangsu, China
◦ **GPA:** 4.57/5.00 (91.4/100) **Ranking:** 1st/15

RESEARCH EXPERIENCE

Nanjing University (🐼NJUNLP) Sep. 2021 – Present
Research Intern, supervised by Associate Prof. Shujian Huang and Dr. Yu Bao Jiangsu, China
◦ Focusing on utilizing a well-trained NAT model to guide the training of another NAT model.

University of North Carolina at Chapel Hill (🐼Kenan-Flagler) May. 2021 – Aug. 2021
Research Assistant, supervised by Assistant Prof. Yuqian Xu (remote) NC, US
◦ Responsible for data processing and basic regression model analysis in two econometric projects. Jingdong Project studied the effects of varying learning environments on the behavior of couriers. Haodaifu Project studied how COVID-19 influenced the online medical consultation industry.

Nanjing University (🐼Institute of Computer Software) Sep. 2020 – May. 2021
Research Intern, supervised by Associate Prof. Yuan Yao Jiangsu, China
◦ Focused on defense against Trojan Attack, which was an important topic in security of deep neural networks. We proposed a mask generator to average out the trojan triggers. I was mainly responsible for experimenting with some of the techniques.

SELECTED PROJECTS

Prediction of States of Polymer Chain in Membrane Structure 🌀 Jan. 2022
◦ Designed a neural network which can predict the potential energy surface and position distribution of polymers chain in membrane structure

Autonomous Driving Sep. 2021 – Jan. 2022
◦ Participated in designing an autonomous car that can perceive the environment and do path planning automatically, based on ORB-SLAM2 and path planning algorithms.

NANOS 🌀 Mar. 2021 – Jul. 2021
◦ Implemented a multiprocessor operating system with physical memory management, kernel multi-threading and virtual file system.

NJU Emulator 🌀 Sept. 2020 – Dec. 2020
◦ Implemented an emulator for x86 instructions, a machine-independent abstraction layer, and a virtual machine on top of this layer where some software and games can be directly launched.

SELECTED HONORS

1. Gang Zheng Overseas Study Scholarship	2021
2. Dalian Institute of Chemical Physics Scholarship	2021
3. Yongman Yang Scholarship	2021
4. First Prize, National Elite Program Scholarship	2020, 2021
5. First Prize, People's Scholarship	2020

SKILLS

Languages Chinese (native), English (TOEFL: 104)
Programming Python, C/C++, MATLAB, Assembly, Verilog, HTML/CSS