

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
- The University of Hong Kong** Jan. 2022 – May. 2022 (expected)
Exchange student in Faculty of Engineering Hong Kong, China

RESEARCH EXPERIENCE

- Nanjing University (🐼NJUNLP)** Sep. 2021 – Present
Research Intern, supervised by Associate Prof. Shujian Huang and Dr. Yu Bao Jiangsu, China
◦ Focusing on mask selection strategies to model the dependency relationship between words implicitly in Non-autoregressive Transformer. A teacher is introduced in the training process to give instructions on the selection of masks.
- 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 mining 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.

PROJECTS

- Autonomous Driving** Sep. 2021 – Present
Lead a team of 6 members
◦ 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

- Dalian Institute of Chemical Physics Scholarship** 2021
- Yongman Yang Scholarship** 2021
- First Prize, National Elite Program Scholarship** 2020, 2021
- First Prize, People's Scholarship** 2020

SKILLS

- Languages** Chinese (native), English (TOEFL: 104)
- Programming** Python, C/C++, MATLAB, Assembly, Verilog, HTML/CSS
- Frameworks** PyTorch, TensorFlow 2, Fairseq, Scikit-learn, NumPy, Pandas
- Tools** Git, \LaTeX , Stata