

Min Liu

✉ 191240030@smail.nju.edu.cn · 🏠 danielliuyz.github.io

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

EDUCATION

Nanjing University <i>B.S. in Computer Science and Technology, Kuang Yaming Honors School</i> ◦ GPA: 4.57/5.00 (91.4/100) Ranking: 1 st /15	Sept. 2019 – June. 2023 (expected) <i>Jiangsu, China</i>
The University of Hong Kong <i>Exchange student in Faculty of Engineering</i>	Jan. 2022 – May. 2022 (expected) <i>Hong Kong, China</i>

RESEARCH EXPERIENCE

Nanjing University (🐼NJUNLP) <i>Research Intern, supervised by Associate Prof. Shujian Huang and Dr. Yu Bao</i> ◦ 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.	Sep. 2021 – Present <i>Jiangsu, China</i>
University of North Carolina at Chapel Hill (🐼Kenan-Flagler) <i>Research Assistant, supervised by Assistant Prof. Yuqian Xu</i> ◦ 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.	May. 2021 – Aug. 2021 <i>(remote) NC, US</i>
Nanjing University (🐼Institute of Computer Software) <i>Research Intern, supervised by Associate Prof. Yuan Yao</i> ◦ 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.	Sep. 2020 – May. 2021 <i>Jiangsu, China</i>

PROJECTS

Autonomous Driving <i>Lead a team of 6 members</i> ◦ Designing an autonomous car that can perceive the environment and do path planning automatically, based on ORB-SLAM2 and path planning algorithms.	Sep. 2021 – Present
NANOS 🌀 ◦ Implemented a multiprocessor operating system with physical memory management, kernel multi-threading and virtual file system.	Mar. 2021 – Jul. 2021
NJU Emulator 🌀 ◦ 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.	Sept. 2020 – Dec. 2020

SELECTED HONORS

1. Dalian Institute of Chemical Physics Scholarship	2021
2. Yongman Yang Scholarship	2021
3. First Prize, National Elite Program Scholarship	2020, 2021
4. 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