Xiaoyuan LI

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Education

Huazhong University of Science and Technology **Wuhan, China** *Sept. 2021-Jun. 2025*
B.Eng. in Cryptography of Science and Engineering, School of Cyber Science and Engineering
Overall GPA:4.6/5.0 or 91.6/100
ranking: 1/56 in grade, 1/29 in class
National Scholarship in China, 2023

Research Experience

Distributed Machine Learning Systems *May, 2024 - Now*

- Conduct Research on distributed machine learning systems
- Study Model Parallelism and Pipeline Parallelism

Learn and Fine-tuning common deep learning models *May, 2024 - Now*

- Study basic knowledge of deep learning models(e.g. CNN)
- Use Pytorch to implement Fully Connected Neural Network to solve Regression and Classification problems

Projects

CMU15-445 BusTub *Mar. 2024*

- Implement a database based on C++17 that supports simple SQL operations.

HUST-Tencent Elite Class for Game Security *Oct 2023 - Jan 2024*

- Learn basic usage of security tools(e.g. IDA Pro, x64dbg)
- Use debugging tools to analyze the logic of a tiny game program and conduct dll hook to it

Skills

- **Programming Languages:** C/C++, Python
- **Deep Learning:** Pytorch
- **Backend:** MySQL
- **Security:** IDA Pro, x64dbg, dnSpy, cheat engine
- **Others:** Matlab, Git, GitHub, markdown, LaTeX

Awards and Honors

- National Scholarship, Ministry of Education of P.R. China 2023
- Merit Student, HUST 2022,2023
- Silver Medal, The 2024 International Collegiate Programming Contest(ICPC) in Hubei Province 2024
- Bronze Medal, China Collegiate Programming Contest(CCPC) in Hubei Province 2022
- National Bronze Medal, CCF Collegiate Computer Systems & Programming contest(CCSP) 2022,2023
- National Third Class Prize and Provincial First Class Prize, The 14th Blue Bridge Cup National Software and Information Technology Professional Talent Competition 2023
- CCF Certified Software Professional(CSP), 430/500, Top 0.34% 2024
- Provincial First Class Prize, The 14th Chinese Mathematics Competition 2023

Courses

Advanced Programming Language(C) (93), Calculus(I)(A) (98), Physics(I) (90), Discrete Mathematics(I) (96), Guide for Cryptography (99), Comprehensive Practice of Network Security(I) (91), Calculus(I)(B) (96), Physics(II) (97), Probability Theory and Mathematical Statistics (93), Assembly Language Programming(98), Numerical Analysis(97), Discrete Mathematics(II) (99), Data Structure (96), Introduction to Information Technologies (95), Course Project of Programming (93), Computer Telecommunication & Network (93), Computer Organization (90), Digital Circuit and Logic Design (90), Comprehensive Practice of Cyberspace Security(II) (93), Foundation of Information Security Mathematics (91), Information Theory and Coding (100), Hardware Description Language and Digital System Design (92), Compiler Principles (90), Compiler Principles Experiments (96), Advanced Cryptography Application (90), Cryptographic Engineering (93), Course Project of Cryptography (98), Algorithmic Design & Analysis (95)