YINNAN ZHOU

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Education

Soochow University — Sept. 2019 – Jun. 2023
B.Eng in Computer Science & Technology — *Suzhou, China*
- GPA: **3.90**/4, Average Score: **93.9**/100, Rank: **2**/158

University of Science and Technology of China — Sept. 2023 – Present
M.Sc. in Computer Science & Technology, advised by Prof. Hao Zhou — *Hefei, China*

Experience

Microsoft (Microsoft Software Technology Center Asia) — Jul. 2022 – Oct. 2022
Software Engineer Intern, M365/Data and analysis (DnA) Group, mentored by SR.SDE. Guo Yi — *Suzhou, China*
- Developed **Intelligent Diagnostic Tool** for troubleshooting upstream data in Teams Application, which automatically **collects abundant data in different upstream sources with required authentication**, then **analyzes data to locate the problem and find out the cause**, finally **generates a comprehensive analysis report.**
- Front-End: React , Back-End: C#

Microsoft (Microsoft Research Asia) — Nov. 2022 – Apr. 2023
Research Intern, SRG/Heterogeneous Extreme Computing (HEX) Group, mentored by RSR. Kun Li — *Beijing, China*
- Accelerated HF/DFT quantum chemistry calculation methods on **CPU-GPU heterogeneous systems**. Used **computation pruning, parallel solving and heterogeneous scheduling** to optimize the algorithm.
- C++ & CUDA

Publications

SaTrack: LoS/NLoS State-Aware WiFi Indoor Tracking System — Dec. 2024
IEEE International Conference on Sensing, Communication, and Networking (**Secon 2024**) [**CCF-B**] — *Phoenix, USA*
- <u>Yinnan Zhou</u>, Hao Zhou, Luowei Li, Siming Chen, Zhi Liu and Xiang-Yang Li

MELoc: Indoor localization system integrating MUSIC and EM algorithms — Dec. 2024
International Conference on Big Data Computing and Communications (**Bigcom 2024**) — *Dalian, China*
- Siming Chen, <u>Yinnan Zhou</u>, Hao Zhou

Competitions

Collegiate Computer Systems & Programming Contest (CCSP) | *Bronze Medal* — **Oct. 2020**
China Collegiate Algorithm Design & Programming Challenge Contest | *Silver Medal* — **Apr. 2022**
LanQiao Cup Algorithm Competition (C++ & Python Group) | *Provincial First Prize & National Excellence Award* — **Jun. 2022**
China Undergraduate Mathematical Contest in Modeling | *Provincial First Prize* — **Nov. 2021**
Mathematical Contest In Modeling | *Meritorious Winner* — **Mar. 2022**

Projects

Simple language compiler based on C++ | *Independent Developer* — **Sept. 2021**
- Implemented lexical analysis, syntax analysis, semantic analysis.
- Reading character stream from file, then converting it into grammar tree by top-down method according to grammar rules, then converting it into assembly code file by recursively descending attribute translation, finally reading assembly code by simulator based on stack and executing it.

Leadership & Extracurricular

Student Association for Science and Technology — Aug. 2020 – Sept. 2021
President — *School of Computer Science & Technology, Soochow University*
- Managed other departments & Organized and Presided over the meetings.
- Reached business cooperation with LeetCode to organize the *Puzzle Marathon* activity.

Honors & Awards

Top Prize of Academic Excellence (2%), First Prize of Research and Innovation (5%), Zhengxiong Scholarship (2%),
Merit Student, Outstanding Graduate Award — **Sept. 2019 – Jun. 2023**
First Prize of Academic Excellence — **Sept. 2023 – Present**