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 codes

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.

E-Nongbao wechat applet for rural service | *Project Member*	**Jun. 2021**

- Implemented homepage, information, application, and personal information pages

Intelligent analysis system of college students' mental he(a)lt | *Project Member*	**Apr. 2021**

- Used network crawler to collect micro blogs for emotional analysis to judge the mental health status.

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**