周荫南

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教育背景

中国科学技术大学 (University of Science and Technology of China) 2023.09 – 2026.06
硕士，计算机科学与技术学院，计算机科学与技术专业
英语：•**雅思：**6.5•**六级：**526

苏州大学 (Soochow University) 2019.09 – 2023.06
本科，计算机科学与技术学院，计算机科学与技术专业
绩点：•**3.90**/4，**均分：93.9**/100，**排名：2**/158
课程：•高数上(99)下(100),C++(98),Java(96),操作系统(96),数据库(95),编译原理(99),算法(99),人工智能(95)

实习经历

微软（亚洲）互联网工程院， STCA 苏州/SOX/Teams Group 2025.06 – 2025.09
- 开发 **Teams AI Rehearsa**l 模块，基于会议内容自动生成**多维度**的**总结**和**反馈**，帮助演讲者提升表现
- 设计并优化 Prompt 工程，约束大模型输出为结构化 JSON，确保反馈准确、稳定、可复用
- 编写 React 完成**前端集成**，将结果以清晰直观的**可交互雷达图**呈现，提升用户体验

微软亚洲研究院， MSRA 北京/SRG/Hex Group 2022.11 – 2023.04
- 编写 CUDA，解决量子化学 DFT 的传统计算方法在 GPU 上效率低下的问题，实现 **10 倍**的计算加速
- 通过**块构造器**优化内存布局，由$O(n^4)$降为$O(n^2)$，构造**图编译器**，将计算抽象为**有向无环图**，生成最优计算路径

微软（亚洲）互联网工程院， STCA 苏州/M365/DnA Group 2022.07 – 2022.10
- 编写 C#，开发 **Teams** 智能**错误诊断工具**，解决实时数据处理管道故障排查**效率低**、**依赖专家经验**的痛点
- 构建**多源数据采集**模块，**跨平台**整合日志库、数据库、内部记录、CFV 等**多源数据**
  实现**交叉验证诊断**算法，将问题排查时长从**小时级**压缩至**分钟级**，支持 50+事件类型及数千字段的错误诊断
  设计**智能摘要生成**模块，对问题进行**解析**、**溯源**，为后续的异常阻断提供完整、详细的支持
- 编写 React，完成与 Microsoft Data Manager UI 系统的**前端集成**

技术项目

基于毫米波的声纹识别和音标识别 2025.02
- 利用毫米波雷达，捕捉人声的**喉咙振动信号**，设计**去噪算法**进行处理，训练**神经网络**识别人声
- 在 **46 个说话人**和 **48 个国际音标**的数据集上，分别取得 **96%**和 **98%**的识别准确率

科研论文

SaTrack: LoS/NLoS State-Aware WiFi Indoor Tracking System 2024.10
- **独立一作， IEEE SECON** 2024 **[CCF-B 类国际会议]**
- 优化基于 EM 的路径分解算法，利用**多天线参考信号**的多样性提升路径估计精度
- 利用 DBSCAN 在**空间域**和**时间域**进行双重**路径选择**，解决 WiFi 室内定位在**非视距场景**的性能退化问题
- 在复杂环境中实现 **0.64 米**中位追踪误差，性能显著优于现有方案

学科竞赛

CCF 大学生计算机系统与程序设计竞赛(CCSP)，华东赛区铜奖 2020.10
蓝桥杯程序设计竞赛 C/C++组、Python 组,省一等奖、全国优秀奖 2022.06
全国大学生数学建模竞赛， 江苏省一等奖 2021.11
美国大学生数学建模竞赛， 一等奖（Meritorious Winner） 2022.05

组织活动

苏州大学 计算机科学与技术学院 科协， 办公室部长 2020.09 – 2021.08
- 筹备、主持会议；组织、管理各部门；与**力扣**达成商业合作，举办校级“解密马拉松”活动

中国科学技术大学 计算机科学与技术学院 研究生会， 宣传部部长 2024.09 – 2025.08
- 撰写、审核公众号推文；主持研会活动；执行摄影工作

荣誉奖励

苏州大学：学习优秀特等奖、综合奖学金、正雄奖学金、三好学生、优秀毕业论文、优秀毕业生、优秀青年志愿者
中国科学技术大学：研究生一等学业奖学金、优秀学生干部、优秀共青团干部

Yinnan Zhou

Last Updated: Sep. 2025

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Education

University of Science and Technology of China **Sept. 2023 – Jun. 2026**
M.Sc. in Computer Science & Technology, advised by Prof. Hao Zhou *Hefei, China*

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

Experience

Microsoft (Microsoft Software Technology Center Asia) **Jun. 2025 – Sep. 2025**
Software Engineer Intern, SOX/Teams Group, mentored by SR.SDE. Yi Jiang & SDE II Xiangyu Shen *Suzhou, China*

- Developed the **Teams AI Rehearsal** module to automatically generate **multi-dimensional summaries and feedback** from meeting content with LLM, helping presenters improve their performance.
- Designed and optimized **prompt engineering** to constrain LLM outputs into structured JSON, ensuring accuracy, stability, and **reusability** of feedback. Implemented front-end integration in **React**, presenting results through an **interactive radar chart** for a clear and intuitive user experience.

Microsoft (Microsoft Research Asia) **Nov. 2022 – Apr. 2023**
Research Intern, SRG/Heterogeneous Extreme Computing (HEX) Group, mentored by SR. RSR. Kun Li *Beijing, China*

- Addressed the inefficiency of traditional DFT (Density Functional Theory) methods in quantum chemistry on GPUs by optimizing memory layout through **block constructors**, reducing memory requirements from $O(n^4)$ to $O(n^2)$.
- Developed a **graph compiler** to abstract computations into **directed acyclic graphs**, automating the generation of optimal computation paths. Implemented CUDA code, achieving a **10x** acceleration in computational performance.

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 Teams to **address inefficiencies** in troubleshooting real-time data processing pipelines and **reduce reliance on expert knowledge**, and integrated it with the **Microsoft Data Manager** UI system.
- Built a **data collection** module to integrate **multi-source** data across platforms, including logs, databases, internal records, and CFV. Implemented a **cross-validation diagnostic** algorithm, reducing troubleshooting time from **hours** to **minutes**, and supporting **root cause analysis** for 50+ event types and thousands of fields. Designed an **intelligent summary generation** module to parse and trace issues, providing comprehensive and detailed support for subsequent anomaly prevention.

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*

- Optimized the EM-based path decomposition algorithm by leveraging the diversity of **multi-antenna reference** signals to enhance path estimation accuracy.
- Applied DBSCAN for dual-domain path selection in both **spatial and temporal** domains, addressing performance degradation in WiFi indoor positioning under **non-line-of-sight** scenarios.
- Achieved a median tracking error of **0.64m** in complex environments, significantly outperforming existing solutions.

Competitions

Collegiate Computer Systems & Programming Contest (CCSP) | *Bronze Medal* **Oct. 2020**
LanQiao Cup Algorithm Competition (C++ & Python) | *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

Millimeter-wave based voiceprint & phonetic recognition system **Feb. 2025**

- Developed a non-contact sensing system using millimeter-wave radar to capture **laryngeal vibration signals**, with subsequent **feature extraction** and **noise suppression** processing.
- Implemented **neural network** architectures for pattern recognition, achieving 96% accuracy on 46-class voiceprint identification and 98% accuracy on 48-class phonetic symbol recognition

Leadership & Extracurricular

Student Association for Science and Technology **Aug. 2020 – Sept. 2021**
President *School of Computer Science & Technology, Soochow University*

- Managed all departments & Organized meetings & Reached business cooperation with **LeetCode**.

Graduate Student Union **Aug. 2024 – Sept. 2025**
Minister of Publicity Department *School of Computer Science & Technology, University of Science and Technology of China*

- Edited and reviewed official posts & Hosted school events & Photographed event visuals for promotional use.

Honors & Awards

Top Prize of Academic Excellence (2%), First Prize of Research and Innovation (5%), Zhengxiong Scholarship (2%), Merit Student, Excellent Graduation Thesis, Outstanding Graduate Award