Kai Chun Lin

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Objective: Seeking a 2024 summer internship in the field of Computer Science

Education: **Bachelor of Science, Computer Science and Mathematics** (Double Major)   **May 2026**
Rose-Hulman Institute of Technology, Terre Haute, IN   **GPA:3.82**
Related Courses: Intro to System Programming, Object Oriented Programming, Data Structure and Algorithm, Computer Science Essentials, Computer Science as a Discipline, Web Programming

Skills: *Software*: Python, Java, HTML, CSS, C, JavaScript, Matlab, Assembly, LaTeX, Maple, SQL
Language: Mandarin Chinese, English, Taiwanese

Experience: **SURE (Support for Research Excellence),** Buckhannon, WV   **Summer 2023**
Researcher
- Researched program for exploring tight frames alongside Dr. Jesse Oldroyd
- Discovered relationship between specific tight frames and Matroid
- Given a grant by the United States government to fund research
- Giving a presentation for my research result in MAA(Mathematical Association of America)

Project: **Game Design**   **Winter 2024**
- Redesigning the classic mobile game "Jetpack Joyride" with a partner
- Utilizing Java to code, creating an attractive interface and good functionality
- Collaborating with partner and pair-coding to ensure the best possible product

Leadership: **National Tennis Team,** *Captain*   **2018 – 2019**
Calculus 3 Teaching Assistant   **Summer 2022 - Present**
System Programming Teaching Assistant   **January 2024 – Present**

Activities: **Rose-Hulman Rover Robotics Team**, *member*   **Fall 2023 – Present**
- Performing duties as part of the autonomous driving team and the sensor interfacing team
- Researched and integrated ROS local and global planning algorithms for autonomous navigation
- Gained experience with SLAM (simultaneous localization and mapping) with the use of depth cameras, lidar, and other sensor integration

Rose-Hulman RoboMaster team, *member*   **Fall 2023 – Present**
- Building website for the club in HTML, CSS, and JavaScript
- Acting as member of the Artificial Intelligence and Computer Vision team

Society of Asian Scientists and Engineers, *member*   **Fall 2023 – Present**
Rose-Hulman Mathematic Putnam Exam Team, *member*   **Fall 2023 – Present**

Honors: **President Academic Dean's List**   **Fall 2022 – Present**
Academic Prominent Mayor's Award   **Fall 2019 – Spring 2022**
National Tennis Championship   **May 2022**