Kai Chun Lin (Kevin)

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Education

Rose-Hulman Institute of Technology, Terre Haute, IN   **May 2026**
Bachelor of Science, Computer Science and Mathematics (Double Major)   **GPA: 3.84**
Related Courses: Intro to System Programming, Object Oriented Programming, Data Structure and Algorithm, Web Programming

Skills

- *Software*: Python, Java, HTML, CSS, C, JavaScript, Matlab, Assembly, LaTeX, Maple, SQL
- *Framework & Tools:* PyTorch, TensorFlow, Keras, OpenCV, Git, OpenCV, Cuda

Research Experience

SURF (Summer Undergraduate Research Fellowships)   **Rose-Hulman Institute of Technology**
Research Assistant | Advisor: Hossein Alisafaee   Jun. 2024 - Aug. 2024
- Applied advanced artificial intelligence techniques to enhance thermal imagery in drones, focusing on improving image clarity and quality
- Developed a deep learning architecture using TensorFlow to effectively denoise images
- Implemented Enhanced Super-Resolution Generative Adversarial Networks (ESRGAN) to further enhance image quality, achieving high-resolution outputs from low-resolution inputs

SURE (Support for Research Excellence)   **West Virginia Wesleyan College**
Research Assistant | Advisor: Jesse Oldroyd   Jun. 2023 - Aug. 2023
- Conducted research on exploring tight frames with Dr. Jesse Oldroyd, discovering relationships between specific tight frames and matroids
- Given a grant by the United States government to fund research
- Gave a presentation for research results in MAA (Mathematical Association of America)

Project Experience

Game Design   Nov. 2023 - Jan. 2024
- Redesigned the classic mobile game "Jetpack Joyride", utilizing Java to code an attractive interface and ensure good functionality
- Employed pair programming techniques to enhance collaboration and produce the best possible product

Online Tennis Shop   Feb. 2024 - May. 2024
- Designed a user-friendly web page using HTML, CSS, JavaScript, and Firebase
- Integrated using Firebase as the backend to manage and store user data efficiently

Activities & Leadership Experience

Calculus 3 Teaching Assistant   Summer 2024 - Present
System Programming Teaching Assistant   January 2024 - Present
Society of Asian Scientists and Engineers, *Member*   Fall 2023 - Present
National Tennis Team, *Captain*   2018 - 2019

Honors

President Academic Dean's List   5 Times
Academic Prominent Mayor's Award   Fall 2019 – Spring 2022