Mage Lee (Chien-Te Lee)

https://mage594088.com/

Email : r08922180@ntu.edu.tw

Mobile : +886-981-783-925

WORK EXPERIENCE

- **Mediateck (MTK)** — Hsinchu, Taiwan
  Software Engineer — *Aug 2022 - Present*
  - **Pre-Silicon to post-Silicon (S2S) tech lead for CPU-related aspects**: Collaborate with over ten software and hardware teams to ensure consistency between post-Silicon products and pre-Silicon computer simulation specifications. Successfully completed three product development projects and currently preparing two products for market launch.
  - **System coordinater of CPU team in terms of performances**: Led a team of three assistant engineers in conducting benchmark testing and related experiments to support technology development, one of resulting in a 5% score improvement on Geekbench v5.0. Provided valuable suggestions to the project manager for enhancing the specifications of the next generation SoC.
  - **Software quality assurance**: Ensured peak performance prior to mass production by closely monitoring benchmark scores and system behavior, proactively preventing the introduction of any software error patches that could potentially impact product performance. Served as the debug lead in handling such situations.
  - **Award**: Achieved 7 vAwards through effective communication, coordination, and problem-solving abilities.

- **Mediateck (MTK)** — Hsinchu, Taiwan
  Software Engineer — *Sep 2021 - Jul 2022*
  - **SoC S2S benchmarking tool owner**: Served as the tool-chain owner for benchmark testing, providing assistance in new benchmark porting and executing different Design of Experiments (DoE) with appropriate scripts. Ensured comprehensive coverage across different frequencies on CPU, GPU, DRAM, as well as thermal and memory functions. Additionally, handled variations in kernel versions and other relevant aspects.
  - **Linux Kernel Scheduler**: Acquired in-depth knowledge and understanding of the Linux kernel scheduler and Mediatek's proprietary scheduler domain know-how. Successfully addressed project issues and made significant contributions to improvement plans in scheduler debug flows, resulting in a 30% increase in efficiency.
  - **Award**: Achieved 2 vAwards by demonstrating strong execution capabilities and making significant contributions to the projects.

- **Mediateck (MTK)** — Hsinchu, Taiwan
  Intern — *Jul 2020 - Aug 2020*
  - **Performance profiling**: Analyzed SoC performance status by monitoring system behavior across various scenarios (benchmark, game, video playback, ...), providing recommendations for technology development directions.
  - **Award**: Received the Best Intern Award in recognition of excellent performance during the internship and obtained a promising offer for full-time employment.

- **Self-employed** — Hsinchu, Taiwan
  YouTuber — *Apr 2015 - Aug 2016*
  - **Movie Reviews, Filmmaking, and Photography**: Experienced movie review YouTuber with a passion for analyzing and critiquing films. Produces high-quality video content and achieved over 100,000 followers and tens of millions of online views within one year.

PROJECTS

- **Dimensity 9200+, 9200, 8200, 6020**: Benchmark tool-chain owner
- **Flagship SoC, sub-flagship SoC for 2023**: S2S tech lead

EDUCATION

- **MS - National Taiwan University (NTU)** — Taipei, Taiwan
  Graduate Institute of Computer Science and Information; Two-time Teaching Assistant Award — *Sep 2019 – Jul 2021*

- **BS - National Chiao Tung University (NCTU)** — Hsinchu, Taiwan
  Electrical and Computer Engineering; Wintek Corporation Scholarship Winner — *Sep 2013 – Jan 2018*

PROGRAMMING SKILLS

- **Programming Languages**: Python, C/C++, Shell Script

- **Professional Skills**: Linux Kernel Scheduler, SoC Benchmarking