Chen Wei Chang

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RESEARCH INTERESTS

I am currently a Master's student in Institute of AI Innovation at National Yang Ming Chiao Tung University, advised by Prof. **Yu-Lun Liu** and Prof. **Jiun-Long Huang**. I received my Bachelor's degree in Electronic Engineering from National Taipei University of Technology. My research interest is focuses on 3D generation and diffusion model.

EDUCATION

M.S. National Yang Ming Chiao Tung University   **Hsinchu, Taiwan**
Institute of Artificial Intelligence Innovation (GPA 4/4.3)   *Sep. 2023 -*
B.S. National Taipei University of Technology   **Taipei, Taiwan**
Department of Electronics Engineering (GPA 3.91/4.0)   *Sep. 2019 - June. 2023*

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript(React.js), SQL(MySQL, SQL server), Verilog
Libraries and Tools: PyTorch, OpenCV, Git, Docker, Linux

WORK EXPERIENCE

Full-Stack Engineer, Field Application Engineer
NYCU Mobile and Pervasive Computing Laboratory, Hsinchu, Taiwan   *Sep. 2023 -*
- Developed new website features through the integration of React.js for the front-end, Flask for the back-end framework, and MySQL for the database.
- Maintaine the website on Linux servers.

Full-Stack Engineer
Mores Tech, Taipei, Taiwan   *Feb. 2023 - Jun. 2023*
- Developed customized user interfaces using React.js.
- Implemented backend APIs using ASP.NET MVC in combination with SQL Server.

PROJECTS

- **Golf Ball Trajectory Estimation System**, Implementing Golf Ball Trajectory Tracking with OpenCV and Image Recognition Algorithms. Link
- **Game Web**, Creating a Website for User Registration and Gameplay of Various Games using Express.js, HTML, and SQLite. Link

PUBLICATIONS

- Cheng-De Fan, **Chen-Wei Chang**, Yi-Ruei Liu, Jie-Ying Lee, Jiun-Long Huang, Yu-Chee Tseng, Yu-Lun Liu (May. 2024) "DS3DGS: Dynamic Specular 3D Gaussian Splatting" **Under review at NeurIPS 2024**   Link

EXTRACURRICULAR ACTIVITIES

- **Event Coordinator** in Student Association for the Department of Electrical Engineering - Sep 2020 - Sep 2021

SELECTED HONORS AND AWARDS

- Academic Achievement Award, Department of Electronics Engineering, NTUT   May. 2020
- Academic Achievement Award, Department of Electronics Engineering, NTUT   Nov. 2020