Yo-Tin (Eusden) Lin

s960030@gmail.com · 0978-604-570 · https://www.linkedin.com/in/eusdenlin/

KEY COMPETENCIES

Computer Vision / Deep Learning / Generative AI

Multimedia Processing / Computer Graphics

Software Development / System Management

SKILLS

C/C++	PyTorch/Tensorflow	Matlab
Python	Linux/Shell Script	Kubernetes

EDUCATION

Master - National Yang Ming Chiao Tung University · **Jul 2023 - Present**
Institute of Computer Science and Engineering, Vision and Learning Lab. · **GPA: 4.21/4.3**
Thesis Advisor: Yen-Yu Lin, Yu-Lun Liu

Bachelor - National Yang Ming Chiao Tung University · **Jul 2019 - Jun 2023**
Department of Computer Science · **GPA: 4.0/4.3**

INDEPENDENT STUDIES

Over-exposed HDR Reconstruction Enhancement via Exposure Consistent Diffusion Models (ICCV Under-review)

- Image Generative Models + Computer Vision + HDR imaging
- A training-free method for single Low Dynamic Range(LDR) to High Dynamic Range(HDR) Generation
- Leverage diffusion prior and novel inference pipeline to maintain the consistency between generated images
- Boosting pipeline for any existing HDR reconstruction methods to generate high-visual quality HDR images

PXE-Boot Raspberry Pi Clustering Platform with FIDO2 Certification

- Full-stack development & Embedded Raspberry Pi System
- Utilize the FIDO2 authentication mechanism to solve the security issues brought by pxeboot
- Flask Web Server + JavaScript is used in the control of sensitive data

WORK EXPERIENCES

Roku, Inc. - Picture Quality Engineer Intern · **Jun 2024 - Sep 2024**

TV Picture Quality Analysis
- Develop a web crawler for the latest benchmarking statistics
- Develop an automatic benchmark pipeline for picture quality testing

PROJECTS

Criminal Searching Web for New Taipei City
- A website for filtering criminals in recent years
- Establish a MySQL database from open sources dataset.
- Integrate Google Maps API, allowing users to search for security conditions in specific areas.

Lab Requirements Management
- Establish a ticket system (e.g., Jira) from scratch
- Full-stack Development, Kubernetes Deployment

IMPORTANT COURSES

Software Testing	A+	Video Compression	A+
Cloud Native Development	A+	Computer Graphics	A+
Network Systems Capstone	A+	Computer System Administration	A

EXTRACURRICULAR ACTIVITIES

Vice President & Education, Mixologist Club
National Yang Ming Chiao Tung University

Education, Guitar Club
National Experimental High School