WuKai Kao(Gary)

Software Engineer

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I am actively seeking a new challenge and the opportunity to leverage my strong data science skills to contribute towards the achievement of your company's objectives. With my background and knowledge, I am confident in my ability to make significant contributions that will propel the company forward. I am eager to bring my expertise and passion for software engineer to a dynamic and innovative organization.

WORK EXPERIENCE

Project Engineer   2022 - present
National Lighting, Cerritos, CA

- Designed the structure of the company's products.
- Maintained developing products and survey all the information.

Software Engineer   2020 - 2022
Mindtronic AI, Taipei, TW

- Built controllable **Driving Simulator** based on **python** with steering wheel and gas pedal based on **Carla**.
- Optimized **digital control method** on **Driving Simulator**.
- Created serval scenarios to **collect driving data** about vehicle speed, location, collision estimation.
- Developed the vision function by **neural network** on one of our newest products "**Touring Suggestion Device**".
- Created the **neural network** detection for Traffic signs of U.S.A and Taiwan.
- Maintained the **data labeling server** "cvat" which build by **C++**.

EDUCATION

M.A. Electrical and Computer Engineering | Tamkang University   Taipei, Taiwan | 2016 – 2018

B.A. Electrical Engineering | Tamkang University   Taipei, Taiwan | 2012– 2016

SKILLS

C++	Python	Git
Tensorflow	Pytorch	OpenCV
Docker	ROS	PointCloud
Matlab	SolidWorks	

Achievements

FIRA RoboWorld Cup – HuroCup	First Place	Taichung, Taiwan	2017
Amazon Robotic Challenge(ARC)		Nagoya, Japan	2017
World Robot Summit(WRS)		Tokyo, Japan	2018
Pickathon		Taichung, Taiwan	2018