

W u K a i K a o (G a r y)

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.

W O R K E X P E R I E N C E

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++**.

Master's Degree student 2016 - 2018

IARC (Intelligent Automation and Robotics Center), New Taipei, TW

- Created the data with 3D and 2D bounding boxes by using scripts in **Unreal Engine 4**.
- Implemented the surface estimate methods by **PCL** which built by **C++**
- Handled the image processing method **HSV segmentation** in competition which built by **C++**.
- Implemented the sandwiches detector by **CNN** which built by **python**.

E D U C A T I O N

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

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

S K I L L S

C++	Python	Git	Tensorflow
Pytorch	OpenCV	Docker	ROS
PointCloud	Matlab	SolidWorks	Unreal Engine 4

A c h i e v e m e n t s

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