



Sheng-Cheng Lee

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</> github.com/biomotion

🌐 biomo.me

EDUCATION

M.S. in Electrical and Control Engineering, 09/2020 - Present
National Yang Ming Chiao Tung University (NYCU) Hsinchu, Taiwan
Advisor: Chieh-Chih Wang

B.S. in Electrical and Computer Engineering, 09/2016 - 06/2020
National Chiao Tung University (NCTU) Hsinchu, Taiwan

INTERNSHIP

Autonomous Driving Vehicle Team, [🔗](#) 04/2020 – 12/2021
Industrial Technology Research Institute

- Solved real-world problems of self-driving cars
- Developed robust re-localization algorithm to detect and recover from localization failure
- Managed sensors and system environments on the data collection vehicles

PROJECT

DARPA Subterranean Challenge, Team NCTU [🔗](#) 08/2019 – 02/2020

- Built underground search and rescue system in the DARPA grand challenge
- Established communication and mapping system of unknown areas (Tunnel Circuit, 08/2019)
- Led unmanned aerial vehicle (UAV) team on blimp robot development (Urban Circuit, 02/2020)

TEACHING

Teaching Assistant, Self-Driving Cars, NYCU Fall 2021

Teaching Assistant, Introduction to Artificial Intelligence, NCTU Fall 2019

Teaching Assistant, AI Driving Olympics Summer School, Duckietown Taiwan Summer 2018

PROGRAMMING LANGUAGE

C/C++

Python

JavaScript

MATLAB

Java

TOOLS AND EQUIPMENT USED

Robot Operation System (ROS)

NVIDIA Jetson Nano/TX2/Xavier

Velodyne LiDARs(VLS129, HDL32)

Navtech Scanning Radar