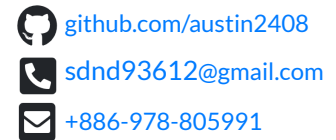


Yu-Yen "Austin" Huang (黃宇彥)



Education

- **M.S** in Artificial Intelligence Graduate Program ([AIG](#)) Sep 2020 - Present
National Yang Ming Chiao Tung University ([NYCU](#), Hsinchu)
- **B.S** in Electrical and Computer Engineering([EE](#)) Sep 2016 - June 2020
National Chung Hsing University ([NCHU](#))

Research

- Develop innovative applications by applying the technology of Robotic Vision, Deep Learning and Automatic Control System.

Skills

- Deep Learning model development (training, tuning and analysis)
- Data collection and analysis
- Image recognition, robot joint state and 3D Lidar
- Robotic Operating System ([ROS](#)) based robotic system development
- Automatic Control System
- Problem Solving skill specialized in technical optimization
- Programming
 - Python, C/C++, Verilog
- Middleware and Libraries
 - [ROS](#), Pytorch, Tensorflow, OpenCV, Docker, Matlab
- System
 - Ubuntu

Projects

- Search and Rescue in USA DARPA Subterranean Challenge([DARPA](#)) [[Project](#)]
 - Create around 6000 ground truth labels for semantic segmentation benchmark of artifacts extracted from the DARPA released image data.
- Human-to-Robot Handover via End-to-End Socially-Aware Grasping [[Project](#)]
 - Development of a vision based End-to-end deep learning model for human-to-robot handover.

Event

- Represented NYCU at the [Artificial Intelligence Technology and Application Talent Training Program Results Presentation](#) (Winter 2020)
- Represented NYCU at the [Taiwan Healthcare EXPO](#) (Winter 2021)
- TA of NYCU Introduction to Artificial Intelligence (Fall 2020) Instructed by Prof. Hsueh-Cheng Wang.
- TA of NYCU [AI Robot Development Club](#) (Summer 2020) Instructed by Prof. Hsueh-Cheng Wang.