Yu-Yen "Austin" Huang (黃宇彥)

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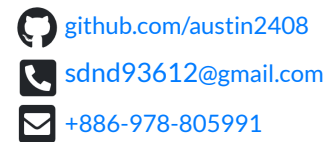## Education

- **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 Operatin 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.