

# Bo-Kai Ruan

## Profile

- Passionate about computer vision and machine learning
- Recently studying generative models for synthesizing real images
- Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team

## Details

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## Links

Personal website  
Medium  
LinkedIn  
Github

## Languages

English  
TOEIC Score: 915/990  
Chinese  
Native speaker

## Education

**Bachelor of Electrical and Computer Engineering, National Yang Ming Chiao Tung University (NYCU), Hsinchu, Taiwan**

September 2019 — Present, expected to graduate in June 2023

**Artificial Intelligence Cross-Disciplinary Program, National Yang Ming Chiao Tung University, Hsinchu, Taiwan**

September 2020 — Present, expected to graduate in June 2023

## Internships

**Winter Android developer Intern at MaxWisInfo, Chiayi, Taiwan**

January 2020 — February 2020

Developed the care system on mobile phones for patient monitoring

**Summer Research Intern at Assistive Robotics Group, NYTU, Hsinchu, Taiwan**

July 2020 — August 2020

Applied machine learning techniques in solving self-halting problems

## Leadership

**Leader, Developer Student Clubs (DSC) at NYCU, Hsinchu, Taiwan**

September 2020 — Present

- Lead team members to learn Google technology and Developer tools
- Hold workshops to inspire other student developers
- Collaborate with other schools' DSC leaders to hold the Hackthon

**Vice president, Grand Challenge Scholars Program (GCSP) at NYCU, Hsinchu, Taiwan**

February 2021 — Present

- Collaborate with other schools' GCSP clubs for sharing clubs' experience
- Find speakers to share the knowledge related to public speaking
- Encourage members to solve the grand challenge problems we faced in this century

## Skills

### Software skills

Machine Learning, Unix, PyTorch, ROS, Python, C++, Git, CI/CD, Data Structure, Android, Google Cloud Storage, Google Cloud Vision, Google Docs

### Hardware skills

Arduino, Raspberry PI, Electronic instruments

## Projects

### GC Detection

Using Google Cloud platform to build an object detection module

### Object Detection with Localization

Using robots to detect specific objects and also find out the position of the detected objects related to the controllers