

Bo-Kai Ruan

Student Training in Engineering Program (STEP) Intern, 2021

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

No. 35, Ln. 80, Fuzhi Rd., Shalu Dist.,
Taichung City 433002, Taiwan
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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