

# IVAN SURYA HUTOMO

Computer Scientist, Software Engineer, Web Designer



Taiwan, Hsinchu City

+886 173148213

hutomoivan@gmail.com



github.com/alexivaner

Ivan Hutomo

Ivan Surya Hutomo

## ACHIEVEMENTS

I helped Barracuda Unity Developer for finding a new bug in Barracuda library where Barracuda couldn't receive more than one batch of tensor by examining the tensor input using my vector from voice recognition of ONNX Model. I also helped ONNX Microsoft developer for enhance Sklearn2Onnx library and add new features for supporting Barracuda in Unity by giving recommendation what features to add, what ONNX Operators are still not supported in Barracuda, and my prototype of code.

## PROJECTS

**Intelligent AR Drone Control Interface** - Voice Recognition Team

**Face Recognition Smart Door with Google Assistant** - Thesis

**GadgetX** - Smartphone Specification Finder App

**SecureX** - Prototype of Innovated Smart Door

Please, click on my youtube and github for more information about all of my projects.

## EXPERIENCE

- 2019/09 – **Intelligent Learning of Nature Laboratory Researcher** **National Chiao Tung University**  
I am doing project related to Intelligent AR drone control interface. Our team are responsible to develop voice recognition model and its integration to this entire AR control system using VR Glasses (Magic Leap).  
Python / C# Unity / Barracuda Unity / Onnx Model / Machine learning
- 2018 – 2019 part time **Videographer** **IFEY Films.**  
IFEY films do video production for any companies, one of our clients is JW Marriotts Hotels in Surabaya. We also do the documentation for weddings, sweet seventeenth, golden wedding, etc.  
Adobe Premiere / Adobe Photoshop / Adobe After Effect / Videography
- 2017–2019 part time **Telematics Laboratory Assistant** **Petra Christian University**  
I became teaching assistant for Computer Basic Programming, Mobile App Development, and Web Programming. My project for my thesis here was about "Face Recognition Smart Door with Google Assistant Features based on Raspberry Pi 3".  
Python / C / Java / NodeJS / Google Cloud / Arduino / Raspberry Pi
- 2018/09 – 10 freelance **Web Developer** **PT Samudra Luas Makmur Sejahtera**  
I developed website for the company and also create the content for the website itself such as photos and others.  
HTML, CSS, PHP / Wordpress

## EDUCATION

- 2019 – **Master's Degree (Electrical Engineering and Computer Science)** **National Chiao Tung University**  
I continued my study and focused on computer science study. I learnt a lot about artificial intelligence, deep learning, image processing, and others. I joined Intelligent Learning of Nature Laboratory as a student researcher and do project about voice recognition in VR Glasses.
- 2015 – 2019 **Bachelor's Degree (Electrical Engineering)** **Petra Christian University**  
I took major of Electronics and learned about PLC, HMI, and SCADA. I was also part of Telematics Laboratory and learnt a lot about coding and did thesis about Face Recognition Smart Door with Google Assistant Features based on Raspberry Pi 3. I graduated with GPA of 3.86.

## LANGUAGES

**English** - proficient  
**Chinese** - rudimentary  
**Bahasa** - native

## LICENSE AND CERTIFICATION

Data Visualization for Beginner,  
Programming Principles of S.O.L.I.D,  
Android App Development for Beginner,  
Start Programming with Kotlin,  
Game Developing for Beginner with Unity,  
Shopping ads Certification (Google).

## NON PROFIT

**SEO of Honor Indonesia** - Brands under Huawei  
**Basic Student Management Skill Training** - Speaker/Facilitator  
**Workshop Printed Circuit Board Design** - Speaker/Facilitator