



# FEBRYAN PUTRA KARTIKA (卓開源)

STUDENT 📍 4TH FLOOR, NO. 12, LANE 140, SECTION 1, XINSHENG SOUTH ROAD, ZHONGZHENG DISTRICT, TAIPEI, 100, TAIWAN ☎ +886973114752

## ◦ DETAILS ◦

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## ◦ LINKS ◦

[LinkedIn](#)  
[Facebook](#)  
[Personal Portfolio](#)

## ◦ SKILLS ◦

Calculus  
C/C++  
Python  
Java  
Git Version Control  
Web Development (HTML, CSS, JS)  
React  
TypeScript  
Data Structures and Algorithm  
Machine Learning  
Deep Learning  
Reinforcement Learning  
Tensorflow, Keras, Scikit-learn

## ◦ LANGUAGES ◦

Bahasa Indonesia

English

Chinese

## 👤 PROFILE

Hardworking College Student seeking employment. Committed to utilizing my skills to help improve a company. Strong organizational abilities with proven successes managing multiple academic projects and volunteering events. Highly competent communicator skilled in multitasking and effectively communicating with others.

## 🎓 EDUCATION AND CERTIFICATIONS

**Bachelor of Science, Majoring in Electrical Engineering and Computer Science, National Taipei University of Technology, Taipei (國立臺北科技大學)**

August 2019 — Present

- Double Major with Presidential Awards 6 times that was only given to top 5% students in the department

Current GPA: 3.92/4

**Deep Learning for Healthcare Specialization, University of Illinois at Urbana-Champaign (Coursera)**

August 2022 — Present

- A three-course program covering health data science foundation, deep learning methods for healthcare and advance deep learning methods for healthcare; includes quizzes and projects that must be completed to pass the course

## 👥 EXPERIENCES

**Research Assistant at National Taipei University of Technology**

September 2022 — Present

- Supervisor: Chuan-Ming Liu
- Research Topic: Applying Adversarial Network into Computer Vision and NLP by using deep learning method

**Quality Assurance Tester Intern at Cardinal Blue Software (PicCollage) Company, Taipei**

June 2021 — Present

- Mainly focuses on assuring PicCollage application such as no visual and technical bugs in the application and good UI/UX for the user as well
- Join in developers and engineers sharing and sync to brainstorm new ideas and technology being used
- Learn new materials from MLAD engineers

### **Localization Tester at Play4Fun Co., Ltd., Taipei**

August 2020 — October 2021

- Worked well independently and on a team to solve problems.
- Served as a friendly, hardworking, and punctual employee.
- Organized and prioritized work to complete assignments in a timely, efficient manner.



## **PROJECTS / OPEN-SOURCE CONTRIBUTIONS**

### **Minesweeper Game**

- Language being used: React.js, Typescript
- GitHub: [Minesweeper Game](#)

### **Real Time Face Emotion Recognition**

- Language being used: Python
- Library being used: Keras, OpenCV, Tensorflow
- Dataset: FER2013
- GitHub: [RealTimeEmotionRecognition](#)

### **Real Time Custom Object Detection**

- Language being used: Python
- Library being used: Keras, OpenCV, Tensorflow, Protobuf, Labellingm
- Dataset: COCO 2017 (Pre-trained Model)
- GitHub: [CustomObjectDetection](#)

### **Hough-Transform for Lane Line Detection**

- Language being used: Python
- Library being used: Numpy, Matplotlib, Scikit-images
- GitHub: [Lane-Detection-Hough-Transform](#)

### **TFODCourse (Open-Source Contributions)**

- GitHub: <https://github.com/nicknochnack/TFODCourse/issues/107>



## **ORGANIZATIONS / VOLUNTEERS**

### **National Taipei University of Technology International Student Association (TTISA)**

June 2021 — June 2022

- Role: Head of Event Planning Division
- Plan and conclude the necessary meeting time for event planning personal meetings
- Make the final call and judgement based on every member's opinion for what and how the event would be held
- Create a system where every member should have their own voice and should not be forgotten

### **"ANTIOKHIA" St. Mary Immaculate Church Outing**

August 2017 — December 2017

- Role: Vice President
- Guided all the division on what to do and approving all suggestion and events that were made.
- Organizing all event and equipment needed for the outing.
- Along with the president act as a voice for all the division to communicate with the upper authority.



## ACADEMIC ACHIEVEMENTS

### Chinese Proficient Scholarship Hua-Yu (華語獎學金) Scholarship

National Taipei University of Technology

August 2019 — Present

- Half Tuition Waiver awarded to international students with average grade over 80 and certificated in Chinese language in an intermediate level for three years straight (6 times)

### President's List Award(書卷獎)

National Taipei University of Technology

August 2019 — Present

- Awarded 2,500NTD stipend and President's list certificate to student ranked 1<sup>st</sup> in the department once every semester for three years straight (6 times)

### OTHER ACHIEVEMENTS

- Advanced Student Honor Roll in Kumon's Math Program (2011)
- English Proficiency Test of 560 from TOEFL PBT (2019)
- Chinese Proficiency Test Overall Level of B1, Listening Level of B2 (62/80), Reading Level of B1 (51/80) from TOCFL (2020)
- English Proficiency IELTS Band 7.5 of 9 (2022)