Chun-Hao **Chang**

National Cheng Kung Universityr · B.S. degree in Electrical Engineering

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Summary

I am now purchasing B.S. degree of Electrical Engineering in National Cheng Kung University. I am also a professional cat lover! I keep a cat I encounter on the street. Besides, I joined Stray Animal Volunteer Team in our school and became one of the committee member after one year. Hence, I am absolutely sure that I love animals especial cats and dogs!

Why Tomofun?

I have great interesting in AI and its applications on IoT devices. I have taken many courses related like "AI Robotics" and "AI Computing Architecture and System".

Hence, I think this internship will be an awesome opportunity for me to learn how to design such a great and animal-friendly IoT devices with the power of Machine Learning.

Education

National Cheng Kung University *Tainan, Taiwan*

B.S. degree in Electrical Engineering *Sep. 2020 - Jun. 2024*

- Intern Student in AI System Lab, NCKU EE
- Teaching Assistant in PlayLab, NCKU SOC
- Member of Swimming Team

National Changhua Senior High School *Changhua, Taiwan*

Regular Class *Sep. 2017 - Jun. 2020*

- Member of Swimming Team

Skills

Programming Language and AI Framework C, C++, Python, PyTorch, ONNX

Others Linux Environment, Git, Docker

Work Experience

Stray Animal Volunteer Team in NCKU *NCKU*

Committee member *Sep. 2020 - Sep. 2022*

Playlab *NCKU SOC*

Teaching Assistant of AI Computing Architecture and System *Sep. 2022 - Present*

Courses Related

Advanced Computer Architecture and AI Chip Design *NCKU SOC*

Spring 2023

OoO CPU, RISC-V Pipeline CPU implementation and topics about Neural Network Optimization

Computer Algorithm *NCKU EE*

Spring 2023

Basic algorithms, including Sorting, Dynamic Programming, Greedy Algorithm, Graph Algorithms and advanced Data Structures

Computer Organization

NCKU EE

Fall 2022

Basic Computer Architecture concepts with RISC-V ISA

AI Computing Architecture and System

NCKU SOC

Spring 2022

Simple RISC-V CPU implementation and basic ideas about how to accelerate AI Computing by SIMD instruction and Systolic Array

Introduction to Image Recognition AI and Robotics Lab

NCKU SOC

Fall 2021

Basic PyTorch framework and Image Recognition with NVIDIA JetBot

Logical System

NCKU EE

Spring 2021

Basic concepts about Logical Design and Digital Circuits

Introduction to Computers

NCKU EE

Fall 2020 - Spring 2021

Programming concepts and techniques like Object-Oriented with C++ Programming Language