

Chong, Yong Kin

Minato-ku, Tokyo
106-0047
Japan

ykichong45.github.io
ykichong45@gmail.com

Education

Tsinghua University <i>Bachelor of Electrical Engineering</i>	August 2017 – June 2021
The Chinese University Hong Kong (Exchange) <i>Faculty of Engineering</i>	January 2020 – May 2020

Professional Experience

Software Engineer <i>LP-Research Inc.</i>	July 2021 – Present Tokyo
<ul style="list-style-type: none">Contributed to the ongoing improvement of OpenZen, a C++ based sensor library.Designed and implemented a reliable sensor data logging system featuring a user-friendly web interface.Participated in the development of LPVR-AIR, a large-scale wireless VR solution.	
Team Lead & Fullstack Developer <i>ACY Finance</i>	September 2021 – September 2023 Singapore (remote)
<ul style="list-style-type: none">Supervised the development of a DeFi project, coordinating frontend, smart contract, and subgraph development.Enhanced the dApp UI and Express.js backend while conducting contract testing.	
Fullstack Developer <i>Commerce Hulk Pte. Ltd.</i>	September 2021 – December 2022 Singapore (remote)
<ul style="list-style-type: none">Created a server-side rendered responsive website for an e-commerce startup, employing Mongo DB for data storage.Collaborated with Shopee and Stripe APIs, managing requests through AWS Lambda Functions.	

Personal Projects

Hippocratic Island - Taiko Best App (ETHTokyo 2023)	April 2023
Contributed significantly to a discussion platform for patients secured by zero-knowledge proof, serving as the primary UI contributor and contract integrator.	
De-Chat - 1st Place for XMTP Prize (ETHOnline 2022)	September 2022
Created a chat service enabling users to send tokens, stream funds, and receive notifications. Facilitated web3 token transfer between friends.	
Capital-Efficient Lending Protocol (ETHNYC 2022)	June 2022
Implemented an innovative solution to increase lending pool utilization by allowing in-platform leverage trading.	
Stark Stream (StarkNet House Hackathon)	August 2022
Brought a fund streaming service to StarkNet with a team. Responsible for the UI and Cairo contract integration.	
Household Electricity Load Forecasting	December 2021
Employed clustering and forecasting techniques to optimize photovoltaic scheduling system. Incorporated deep learning with DTW features, leading to higher accuracy.	

TDOA-Based Dual Microphones Source Localization November 2019

Implemented a spectral subtraction algorithm, reducing noise interference in audio recordings. Utilized GCC-PHAT algorithm for precise sound source localization.

Single View Height Estimation October 2019

Developed a method for estimating object height in still images by extracting vanishing points, enabling accurate measurements.

Data Exploitation from MOOC June 2019

Conducted Python-based data analysis to identify class enrollment patterns. Provided insights and recommendations for course optimization.

Online Book Store May 2017

Built a PHP website facilitating book exchanges among students and avid readers.

Awards & Honors

2017 EE Award for Overall Performances

Tsinghua University 2017

Outstanding Malaysian Scholarship

Tsinghua University 2017-2021

Tsinghua-Inditex Belt & Road Scholarship

Tsinghua University 2019

Specialized Skills

Programming Languages: C++, Python, React.js (intermediate), Rust, Solidity (beginner)

Computer Skills: Fullstack development, blockchain, data analysis, machine learning

Other Interests

Athletics: School international martial arts team (team leader)