

# Chong, Yong Kin

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Japan

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## Education

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

## Professional Experience

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

## Personal Projects

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

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**2017 EE Award for Overall Performances**

*Tsinghua University* 2017

**Outstanding Malaysian Scholarship**

*Tsinghua University* 2017-2021

**Tsinghua-Inditex Scholarship**

*Tsinghua University* 2019

*Specialized Skills*

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

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

*Other Interests*

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**Athletics:** School international martial arts team (team captain)